32426

ORDER NO. AD9203071A8

Service Manual

Simplified

Amplifier

SU-X320

Stereo Integrated Amplifier

Colour

(K) .... Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany and Italy	
(GN)	Oceania	

- **Please file and use this manual together with the Service Manual for Model No. SU-X302, Order No. AD9103050C8.**
- **This service manual indicates the main differences between Original SU-X302 (E).**

■ LINE-UP OF COMPONENTS

System Name	Unit
SC-X320 (E)	ST-X302LA (E) : Tuner
	SU-X320 (E) : Amplifier
	RS-X320 (EG) : Cassette Deck
	—— : CD Player
	SL-J110R (E) : Turntable
	SB-CS65 (E) : Speaker (Made in PAES)
SC-X320 (EB)	ST-X302LA (EB) : Tuner
	SU-X320 (EB) : Amplifier
	RS-X320 (EG) : Cassette Deck
	SL-PJ28A (EB) : CD Player (Made in MBV)
	SL-J110R (EB) : Turntable
	SB-CS65 (E) : Speaker (Made in PAES)
SC-X320 (EF)	ST-X302LA (EF) : Tuner (Made in PFS)
	SU-X320 (E) : Amplifier
	RS-X320 (EG) : Cassette Deck
	SL-PJ28A (E) : CD Player (Made in MBV)
	SL-J110R (E) : Turntable
	SB-CS65 (E) : Speaker (Made in PAES)

System Name	Unit
SC-X320 (EG)	ST-X302LA (EG) : Tuner
	SU-X320 (EG) : Amplifier
	RS-X320 (EG) : Cassette Deck
	SL-PJ28A (EG) : CD Player (Made in MBV)
	SL-J110R (EG) : Turntable
	SB-CS65 (E) : Speaker (Made in PAES)
SC-X320 (EI)	ST-X302LA (EI) : Tuner (Made in PFS)
	SU-X320 (EG) : Amplifier
	RS-X320 (EG) : Cassette Deck
	SL-PJ28A (EG) : CD Player (Made in MBV)
	SL-J110R (EG) : Turntable
	SB-CS65 (E) : Speaker (Made in PAES)
SC-X320 (GN)	ST-X302LA (GN) : Tuner
	SU-X320 (GN) : Amplifier
	RS-X320 (GC) : Cassette Deck
	SL-PJ28 (GN) : CD Player
	SL-J110R (GN) : Turntable
	SB-CD320 (GC) : Speaker

Technics

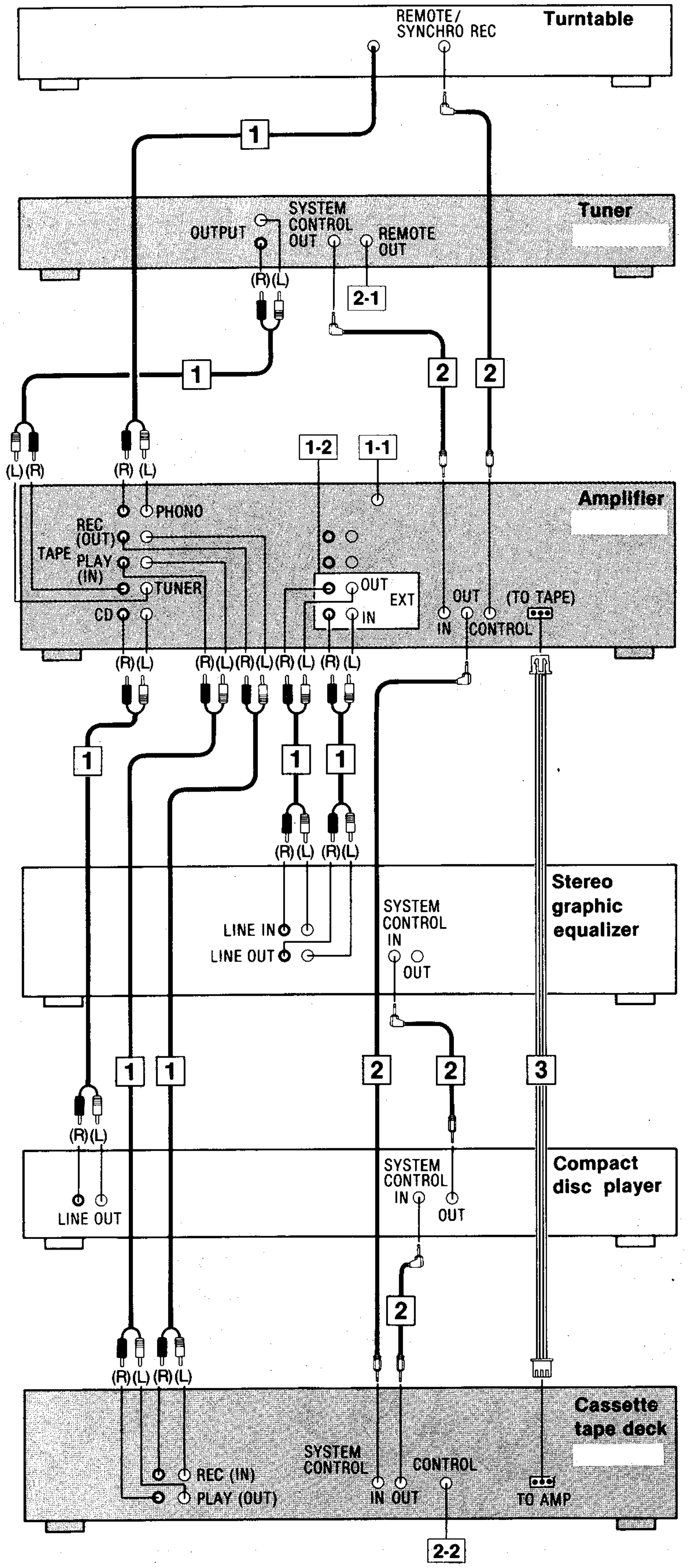
CHANGES

■ CHANGE IN REPLACEMENT PARTS LIST

SU-X302 (Page 30~33, 36 of service manual.)

Ref. No.	Part Number		Description	Remarks
	SU-X302 (E)	**SU-X320 (E, EB, EG, GN)**		
TRANSFORMER(S)				
T1	RTP1M5E007-V	**RTP1M5B001-V**	POWER TRANSFORMER	⚠ (EB, GN)
FUSE(S)				
F2	XBA2C10TB0	—	FUSE	⚠ (GN)
FUSE HOLDER(S)				
FC3, 4	SJT388	—	FUSE HOLDER	⚠ (GN)
JACK(S)				
JK901	SJS9231-1B	**SJS9234B**	AC INLET	⚠ (GN)
JK902	SJS9333B	**SJS9332B**	AC OUTLET	⚠ (EB)
		—	AC OUTLET	⚠ (GN)
CAPACITORS				
C709	ECEA1HKA2R2B	**ECEA1HKN2R2B**	CAPACITOR 50 V 2.2 μ	
CABINET PARTS				
3	SJP9205-2Y	**SJP9205-2T**	SHORTING PIN	
5	SJS9231A	**SJS9234A**	AC INLET COVER	(GN)
6	SJS9333A	**SJS9332A**	AC OUTLET COVER	(EB)
		RJS1A4602	AC OUTLET COVER	(GN)
7	RGR0105G-A1	**RGR0105V-A**	REAR PANEL	(E) Type (A)
		RGR0105G-C1	REAR PANEL	(E) Type (B)
		RGR0105T-A	REAR PANEL	(EB) Type (A)
		RGR0105F-C1	REAR PANEL	(EB) Type (B)
		RGR0105V-B	REAR PANEL	(EG) Type (A)
		RGR0105G-D1	REAR PANEL	(EG) Type (B)
		RGR0105W-A	REAR PANEL	(GN) Type (A)
		RGR0105J-A1	REAR PANEL	(GN) Type (B)
19	RGU0591A-K	**RGU0591B-K**	BUTTON, SUPER BASS	
20	RFKGUX302E	**RFKGUX320E-K**	FRONT PANEL ASS'Y	
25	SYE1128-2	**REM0020-1**	FAN MOTOR ASS'Y	Type (A)
		SYE1128-4	FAN MOTOR ASS'Y	Type (B)
25-1	—	**SHE232-1**	FAN	Type (A)
25-3	SHE233	**RMQ0209-K**	FAN CASE	Type (A)
		SHE233-1	FAN CASE	Type (B)
25-5	—	**RMQ0208-K**	CAP	Type (A)
25-6	—	**SJT783**	TERMINAL	Type (B)
25-7	—	**SJS5215**	CONNECTOR (2P)	Type (B)
25-8	—	**RMQ0212-K**	TERMINAL CAP	Type (A)
36	—	**RJS1A7402**	CONNECTOR (2P)	Type (A)
37	—	**XTBS3+8JFZ1**	SCREW	Type (A)
PACKING MATERIALS				
P1	RPG0839	**RPG1207**	PACKING CASE	
P3	SPSD152	—	ACCESSORIES BOX	
ACCESSORIES				
A1	RQF1086	—	INSTRUCTIONS MANUAL ASS'Y	
A1-1	RQA0013	**RQX7433ZA**	WARRANTY CARD	(GN)
A1-3	RFKSUX302E-K	**RFKSCX120E-K**	INSTRUCTIONS MANUAL	(E)
		RQT1498-B	INSTRUCTIONS MANUAL	(EB, GN)
		RQT1497-D	INSTRUCTIONS MANUAL	(EG)
A2	SJA187	—	AC POWER SUPPLY CORD	⚠

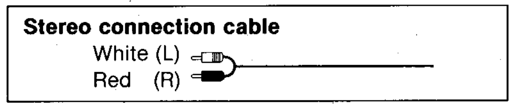
■ CONNECTIONS OF EACH UNIT


Turntable
REMOTE/ SYNCHRO REC
1
Tuner
OUTPUT
SYSTEM CONTROL OUT
REMOTE OUT
(R)(L)
2-1
1
2
2
(L)(R)
(R)(L)
1-2
1-1
Amplifier
REC (OUT)
TAPE
PLAY (IN)
PHONO
TUNER
CD
OUT
EXT
IN
OUT
IN
CONTROL
(TO TAPE)
(R)(L)
(R)(L)(R)(L)(R)(L)(R)(L)
1
1
1
(R)(L) (R)(L)
Stereo graphic equalizer
LINE IN
LINE OUT
SYSTEM CONTROL IN
OUT
1
1
2
2
3
(R)(L)
Compact disc player
LINE OUT
SYSTEM CONTROL IN
OUT
2
(R)(L)(R)(L)
Cassette tape deck
REC (IN)
PLAY (OUT)
SYSTEM CONTROL
IN OUT
CONTROL
TO AMP
2-2

Connection diagrams shown are for connections to a Technics hi-fi component system.
Make connections in the numbered sequential order.

1 Connect the stereo connection cables

(included with the turntable, tuner, stereo graphic equalizer, and cassette tape deck).

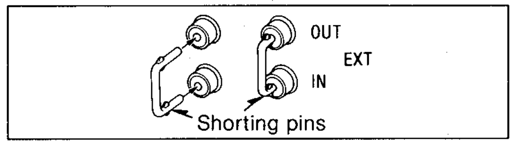

Stereo connection cable
White (L)
Red (R)

1-1
"GND" terminal of the amplifier

This terminal is for use with a turntable which has a ground wire.

1-2
"EXT" terminals of the amplifier

When these terminals are not in use, be sure to insert the "shorting" pins (included).


OUT
EXT
IN
Shorting pins

2 Connect the L-type cables

(included with the turntable, tuner, stereo graphic equalizer, compact disc player, and cassette tape deck).

2-1
"REMOTE OUT" terminal

This terminal is used to connect to the "REMOTE IN" terminal of the Technics multi-compact disc player (not included).

2-2
"CONTROL" terminal

Make a connection from this terminal to the "CONTROL" terminal for a cassette deck on a Technics multi compact disc player (SL-PK26).
(For detailed information, refer to the operating instructions of the Technics multi compact disc player.)

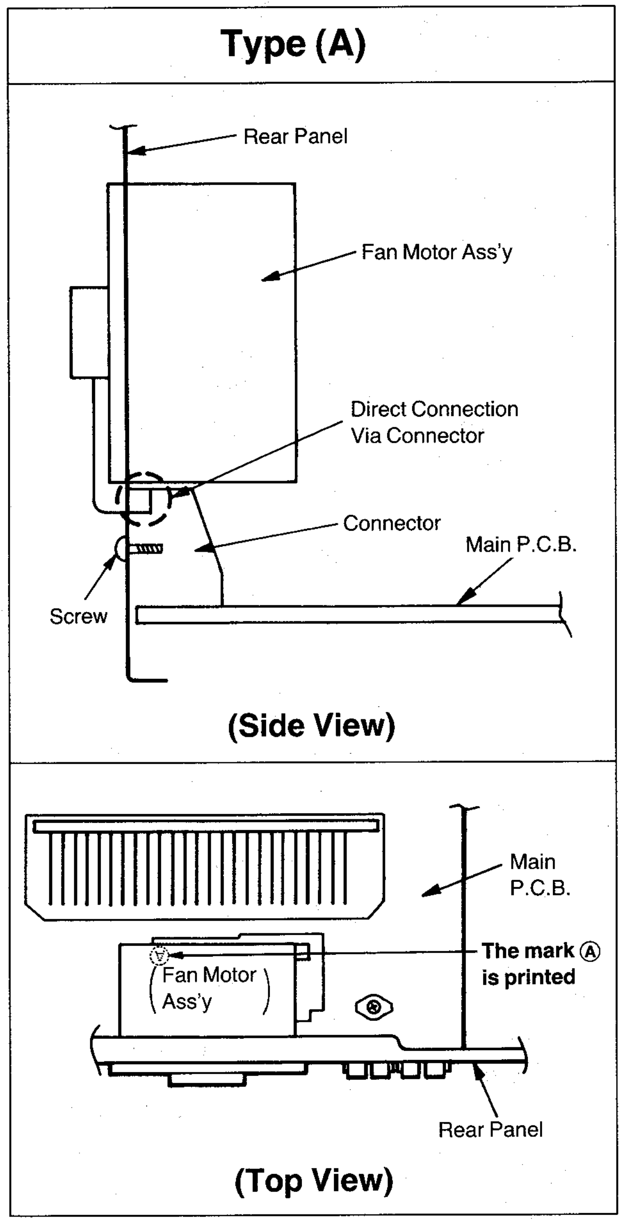
3 Connect the 3-core flat cable

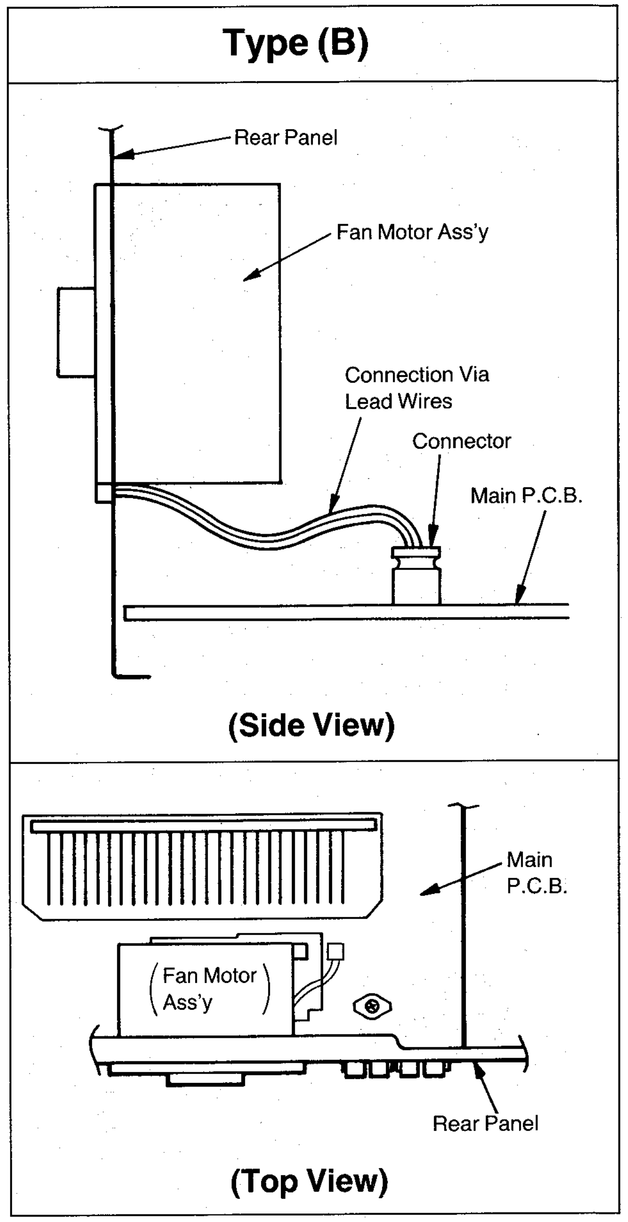
(included with the cassette tape deck).

■ Connect the AC power supply cords and AC outlet

(**See page 3 of service manual RS-X320, Order No. AD9203067A8.**)

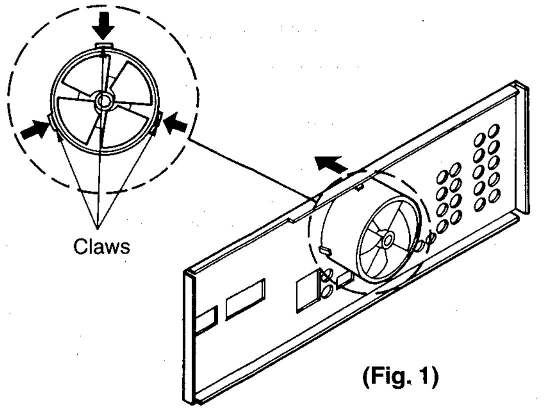
•There are two types of the fan motor, i.e: Types A and B.
Type A...The fan motor terminal is a connector type.
The "mark Ⓐ" is printed on the main P.C.B. of type A. (Refer to the diagram below.)
Type B...The fan motor terminal is a lead wire type.
Refer to the diagram below to distinguish type A from type B.


Type (A)
Rear Panel
Fan Motor Ass'y
Direct Connection Via Connector
Connector
Main P.C.B.
Screw
(Side View)
Main P.C.B.
Fan Motor Ass'y
The mark Ⓐ is printed
Rear Panel
(Top View)

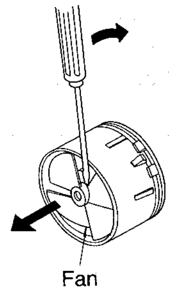

Type (B)
Rear Panel
Fan Motor Ass'y
Connection Via Lead Wires
Connector
Main P.C.B.
(Side View)
Main P.C.B.
Fan Motor Ass'y
Rear Panel
(Top View)

■ DISASSEMBLY INSTRUCTIONS

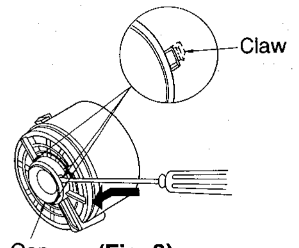
Ref. No. 13	Removal of the Fan Motor Ass'y (Type A)
Procedure 1→7→13	



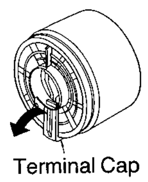
(Fig. 1)



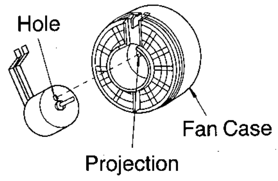
(Fig. 2)



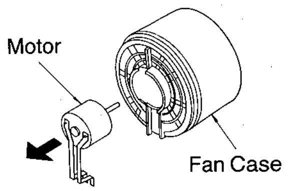
(Fig. 3)


Terminal Cap

(Fig. 4)


Hole
Fan Case
Projection

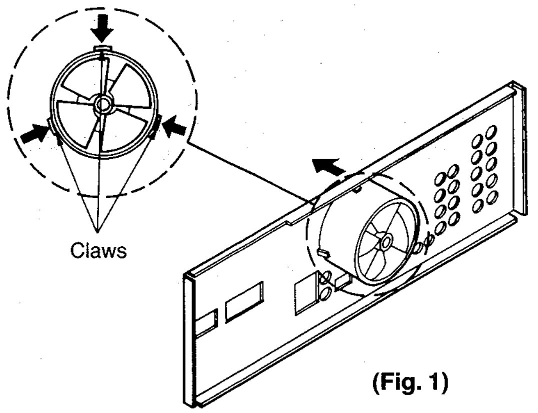
(Fig. 6)


Motor
Fan Case

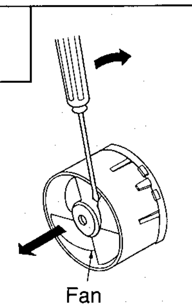
(Fig. 5)

1. Release the 3 claws. (See Fig. 1.)
2. Insert a screwdriver at the root of the fan. Force it out of the motor shaft. (See Fig. 2.)
3. Remove the cap by using ⊖ screwdriver. (See Fig. 3.)
4. Remove the terminal cap in the direction of arrow. (See Fig. 4.)
5. Remove the motor from the fan case. (See Fig. 5.)
6. When mounting the motor, align the fan casing's projection with the hole of the motor. (See Fig. 6.)

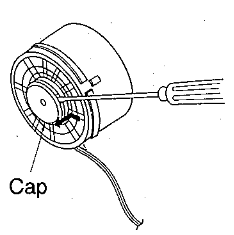
Ref. No. 13	Removal of the Fan Motor Ass'y (Type B)
Procedure 1→7→13	



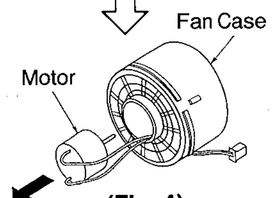
(Fig. 1)



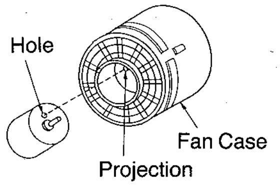
(Fig. 2)



(Fig. 3)


Fan Case
Motor

(Fig. 4)

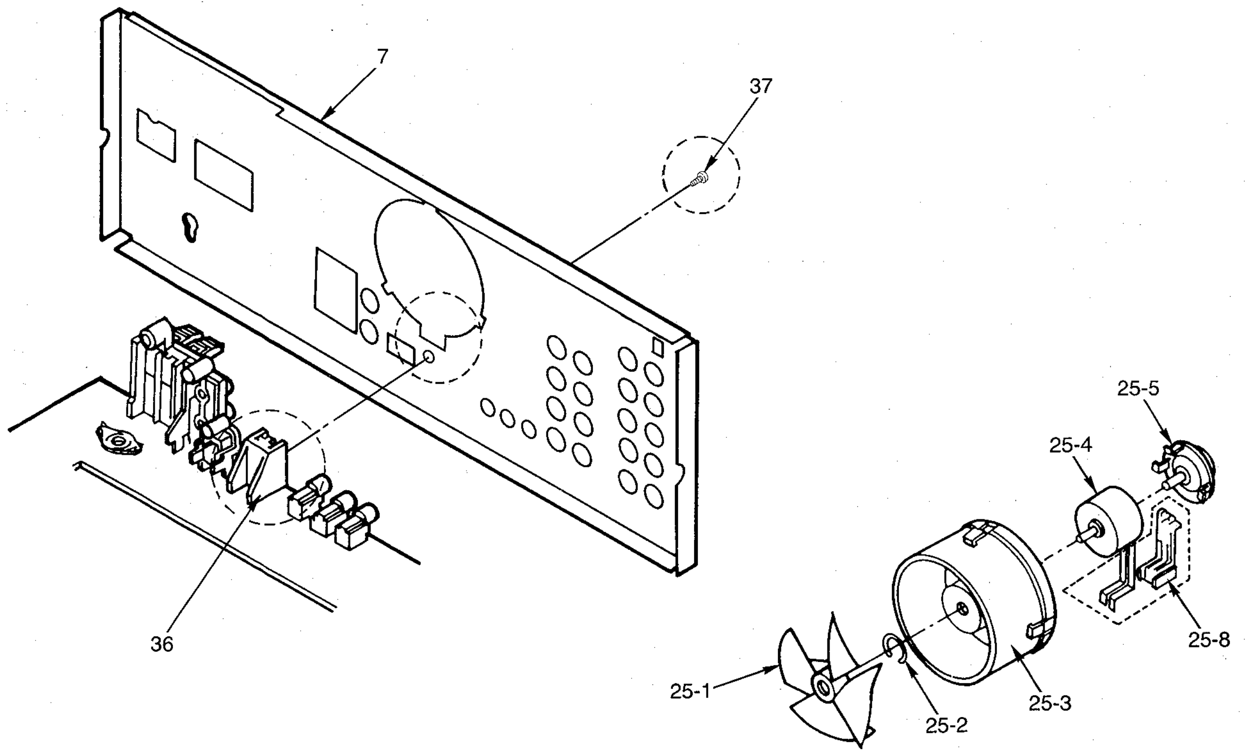

Hole
Fan Case
Projection

(Fig. 5)

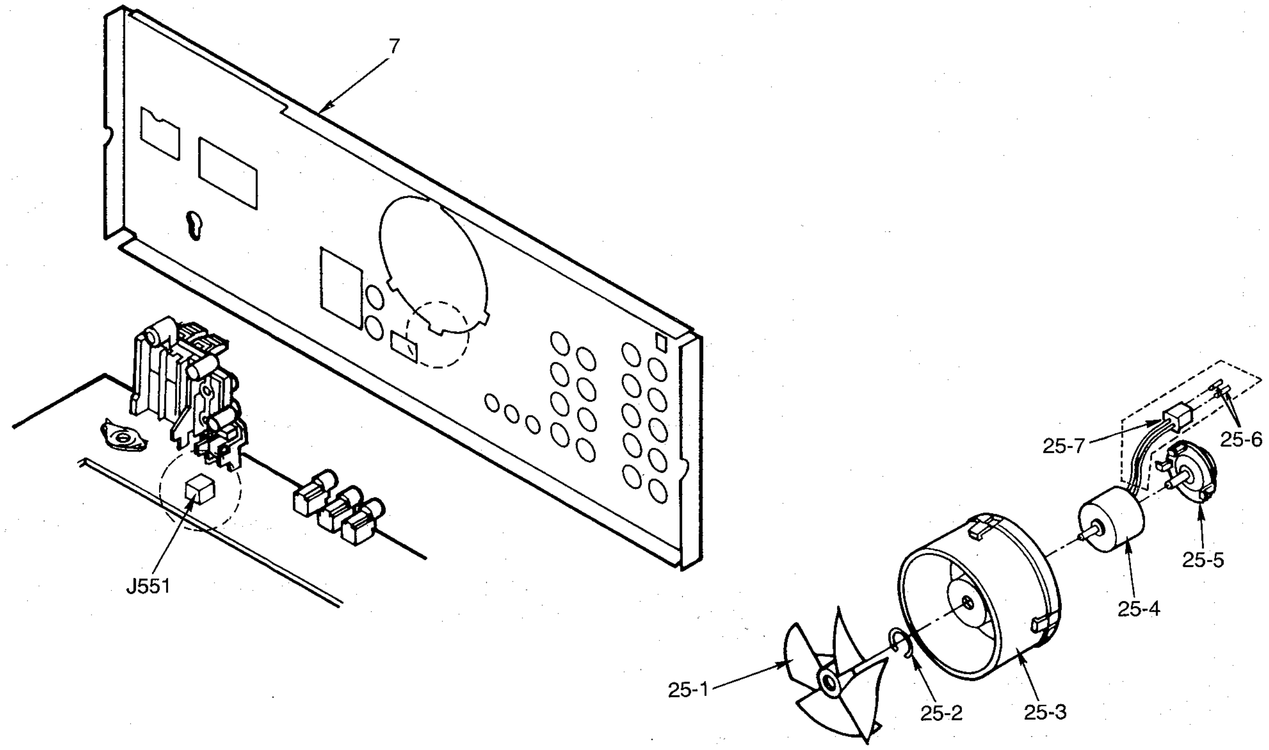
1. Remove the 1 connector (J551).
2. Release the 3 claws. (See Fig. 1.)
3. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft. (See Fig. 2.)
4. Remove the cap by using ⊖ screwdriver. (See Fig. 3).
5. Remove the motor from the fan casing. (See Fig. 4.)
6. When mounting the motor fan, align the fan casing's projection with the hole of the motor. (See Fig. 5.)

■ CABINET PARTS LOCATION

(Type A)


7
37
36
25-5
25-4
25-8
25-1
25-2
25-3

(Type B)


7
J551
25-7
25-6
25-5
25-4
25-1
25-2
25-3

Note: The different parts between type A and type B are enclosed by the dot lines in the above diagrams.

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ORDER NO. AD9103050C8

Service Manual

Amplifier

Stereo Integrated Amplifier

SU-X302

Color

(K) .... Black Type

Areas

Country Code	Area	Color
(E)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F.R. Germany & Italy	
(GC)	Third Region	
(GN)	Oceania	

SPECIFICATIONS

(DIN 45 500)

■ AMPLIFIER SECTION

DIN power output	
1 kHz THD: 1 %	2×50 W (8 Ω)
Total harmonic distortion	
rated power at 1 kHz	1 % (8 Ω)
Harmonic distortion	
half power at 1 kHz	0.03 % (8Ω)
Residual hum and noise	0.5 mV
Damping factor	30 (8 Ω)
Input sensitivity and impedance	
PHONO	3 mV/47 kΩ
TUNER, TAPE	150 mV/22 kΩ
CD, AUX1, 2	200 mV/22 kΩ
Maximum input voltage (1 kHz, RMS)	
PHONO	100 mV
S/N (rated power 8 Ω)	
PHONO	73 dB (IHF, A: 79 dB)
TUNER, CD, AUX1, 2, TAPE	82 dB (IHF, A: 83 dB)
Frequency response	
PHONO	RIAA standard curve ±0.8 dB (30 Hz~15 kHz)
TUNER, CD, AUX1, 2, TAPE	15 Hz~50 kHz (−3 dB)
Tone controls	
BASS	50 Hz, +10 dB~−10 dB
TREBLE	20 kHz, +10 dB~−10 dB
Muting	−20 dB
Super bass	60 Hz, +8 dB
Output voltage	
TAPE REC OUT	150 mV
Channel balance, TUNER 250 Hz~6,300 Hz	±1.0 dB
Channel separation, TUNER 1 kHz	55 dB
Headphones output level and impedance	473 mV/330 Ω
Load impedance	
MAIN	8 Ω~16 Ω
SURROUND	8 Ω~16 Ω

■ GENERAL

Power consumption	300 W
Power supply	
For Continental Europe	AC 50 Hz/60 Hz, 220 V
For Great Britain and Oceania	AC 50 Hz/60 Hz, 230~240 V
For others	AC 50 Hz/60 Hz, 110 V/127 V/220 V/240 V
Dimensions (W×H×D)	360×129×305 mm (14-3/16″×5-3/32″×12″)
Weight	5.4 kg (11.9 lb.)

Notes:

1. Specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Technics

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Accessories 2

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Standard operations 4

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Disassembly instructions .... 7~10

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Packaging 36

■ BEFORE REPAIR

(1) Turn off the power supply. Using a 10Ω, 5 W resistor connect both ends of power supply capacitors (C711, C712, 3300 μF) in order to discharge the voltage.

(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50 Hz/60 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 110 V/127 V/220 V/240 V.

Power supply voltage	AC 110 V	AC 120 V	AC 220 V	AC 230 V	AC 240 V
Consumed current 50 Hz	182~425 mA	168~392 mA	92~216 mA	89~207 mA	83~195 mA
Consumed current 60 Hz	168~392 mA	154~360 mA	84~196 mA	81~189 mA	77~166 mA

■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:
*No sound is heard when the power is switched ON.
*Sound stops during a performance.
The function of this circuitry is to prevent circuitry damage if, for example, the postive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:

1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON AGAIN.

■ ACCESSORIES

- AC power supply cord 1

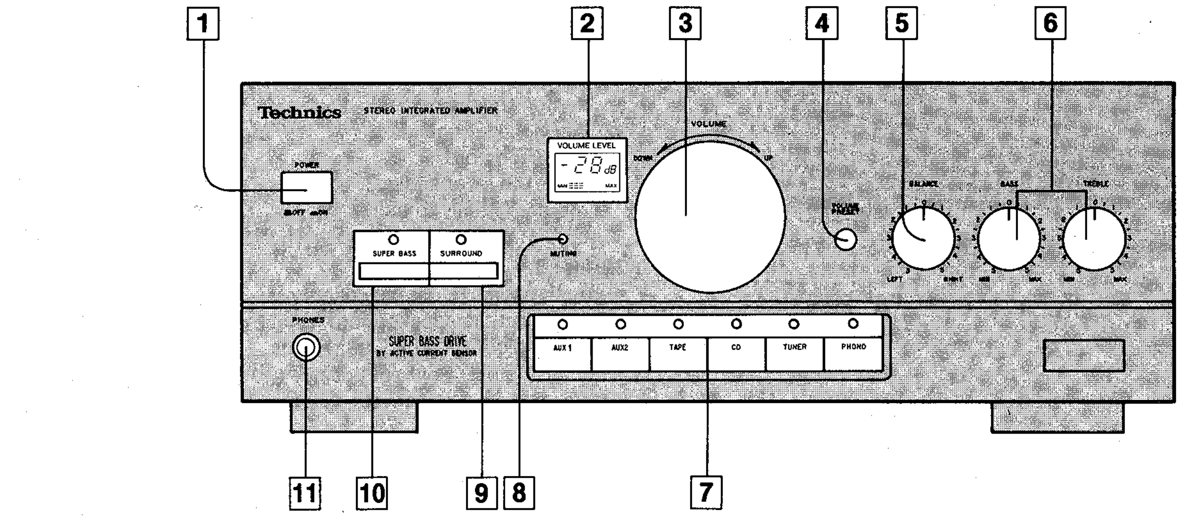
Configuration of AC power supply cord differs according to area.

SJA187.......... For (E) (EG) area only.
SJA173.......... For (GN) area only.
SJA188.......... For (EB) area only.
RJA0004 .... For (GC) area only.

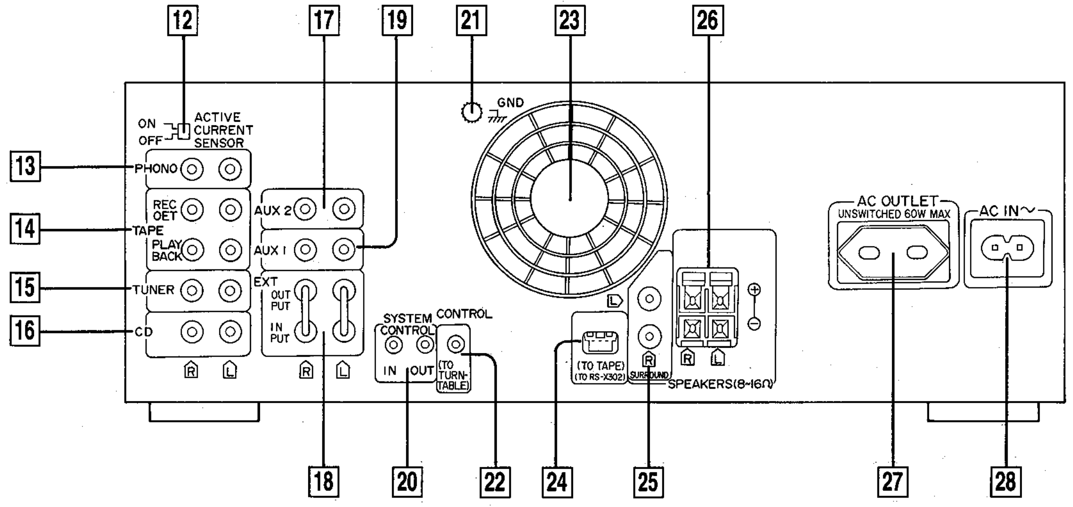
- AC plug adaptor 1

SJP9215 .... For (GC) area only.

LOCATION OF CONTROLS


1
2
3
4
5
6
Technics STEREO INTEGRATED AMPLIFIER
POWER
VOLUME LEVEL
-28dB
VOLUME
BALANCE
BASS
TREBLE
SUPER BASS
SURROUND
MUTING
PHONES
SUPER BASS DRIVE
AUX1
AUX2
TAPE
CD
TUNER
PHONO
11
10
9
8
7

1 Power switch (POWER)
2 Volume-level indicator (VOLUME LEVEL)
3 Volume control (VOLUME)
4 Volume preset button (VOLUME PRESET)
5 Balance control (BALANCE)
6 Tone controls (BASS/TREBLE)
7 Input selectors/indicators
8 Muting indicator (MUTING)
9 Surround-sound button/indicator (SURROUND)
10 Super bass button/indicator (SUPER BASS)
11 Headphones jack (PHONES)


12
17
19
21
23
26
13
14
15
16
ON
OFF
ACTIVE CURRENT SENSOR
PHONO
REC OUT
TAPE
PLAY BACK
TUNER
CD
AUX 2
AUX 1
EXT OUT PUT
IN PUT
GND
SYSTEM CONTROL
CONTROL
IN OUT
(TO TURN-TABLE)
(TO TAPE)
(TO RS-X302)
SURROUND
SPEAKERS(8-16Ω)
AC OUTLET
UNSWITCHED 60W MAX
AC IN~
18
20
22
24
25
27
28

12 Active current sensor switch
13 Phono input terminal
14 Tape rec out/playback terminal
15 Tuner input terminal
16 CD input terminal
17 AUX 2 input terminal
18 EXT output/input terminal
19 AUX 1 input terminal
20 System control IN/OUT terminal
21 GND terminal
22 Control terminal (to turntable)
23 Cooling fan
24 Control terminal (to cassette deck)
25 Surround-sound speaker terminal
26 Main speaker terminal
27 AC outlet
28 AC inlet

STANDARD OPERATIONS

When listening to music

TREBLE
Adjust the high-frequency sound to the desired tone quality.

BASS
Adjust the low-frequency sound to the desired tone quality.

BALANCE
Adjust the balance of the left/right volume.

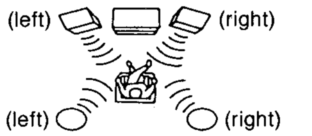
VOLUME
Adjust the volume level.

SUPER BASS
Press this button to boost the super-low frequency range. (The indicator will illuminate.)

SURROUND
Set to the "ON" position to activate the surround-sound effect. (The indicator will illuminate.)

Note:
The surround-sound effect is only effective for phono discs, compact discs, tapes that are recorded in stereo, and for FM and other broadcasts that are broadcast in stereo. It has no effect for monaural AM broadcasts, or for any other monaural source.
When listening to a sound source recorded by the surround-sound method, set this switch to the "OFF" position.

The effect by using surround-sound speaker systems

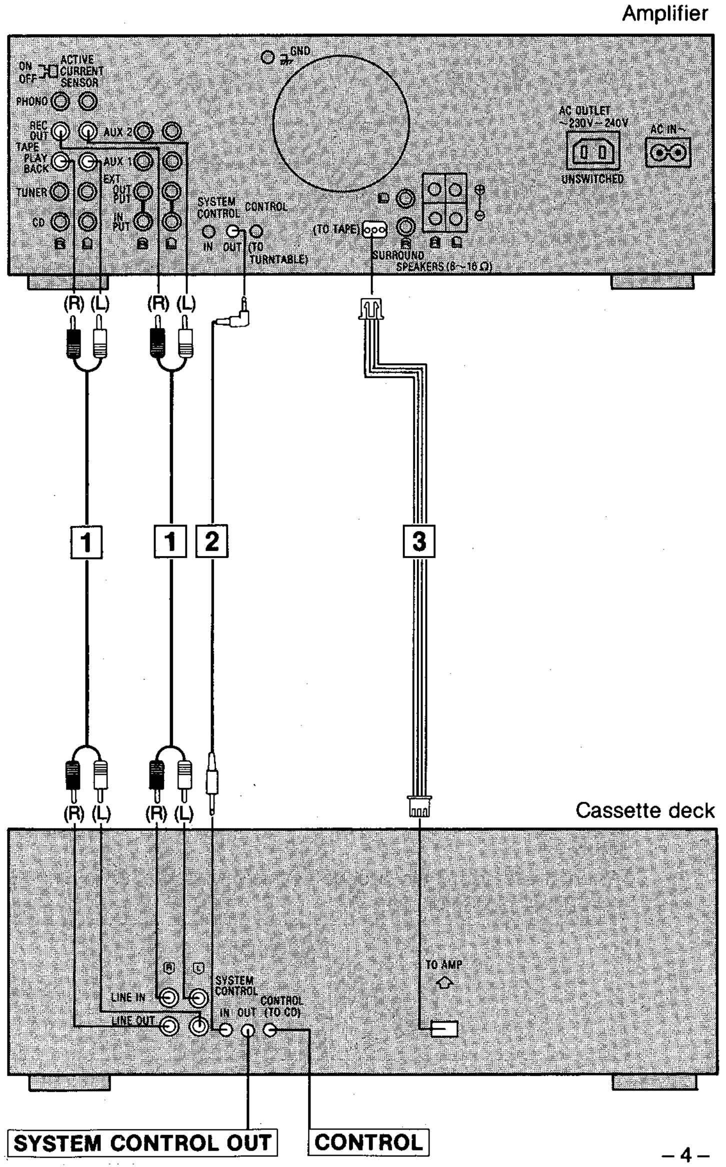

(left)
(right)
(left)
(right)

An effect similar to the dynamic sound of a concert hall

During recording
Operation of controls or switches other than the surround-sound switch has no influence upon recording.

CONNECTIONS

To connect the amplifier with the cassette deck


Amplifier
ON OFF ACTIVE CURRENT SENSOR
PHONO
REC OUT
TAPE
PLAY BACK
TUNER
CD
AUX 2
AUX 1
EXT OUT PUT
IN PUT
SYSTEM CONTROL
CONTROL
IN OUT (TO TURNTABLE)
(TO TAPE)
SURROUND
SPEAKERS (8~16Ω)
GND
AC OUTLET ~230V~240V
UNSWITCHED
AC IN~
(R) (L)
(R) (L)
1
1
2
3
(R) (L)
(R) (L)
Cassette deck
LINE IN
LINE OUT
SYSTEM CONTROL
CONTROL
IN OUT (TO CD)
TO AMP
SYSTEM CONTROL OUT
CONTROL

Make connections in the numbered sequence by using the included cables.

Stereo connection cable
White (L)
Red (R)

See the operating instructions of the tuner (ST-X302L) for details.

1 Connect the stereo connection cables.

2 Connect the L-type cable.

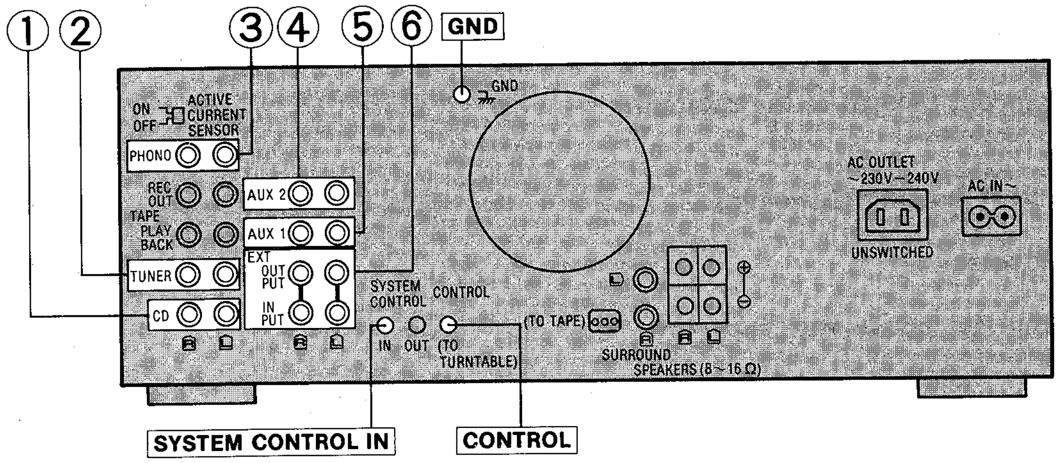
3 Connect the flat cable.

SYSTEM CONTROL OUT
This terminal is used to connect a Technics compact disc player or a Technics stereo graphic equalizer with the "SYSTEM CONTROL IN" terminal.

CONTROL
This terminal is used to connect a Technics multi compact disc player with the "CONTROL" terminal.

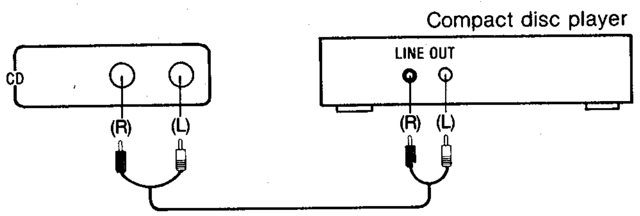
To connect the amplifier with other units

Make connections to each component in the system by using stereo connection cables (not included).


①
②
③
④
⑤
⑥
GND
ON
OFF
ACTIVE CURRENT SENSOR
PHONO
REC OUT
TAPE
PLAY BACK
TUNER
CD
AUX 2
AUX 1
EXT
OUT PUT
IN PUT
SYSTEM CONTROL
IN
OUT
CONTROL
(TO TURNTABLE)
(TO TAPE)
SURROUND SPEAKERS (8~16 Ω)
AC OUTLET ~230V–240V
UNSWITCHED
AC IN~
SYSTEM CONTROL IN
CONTROL

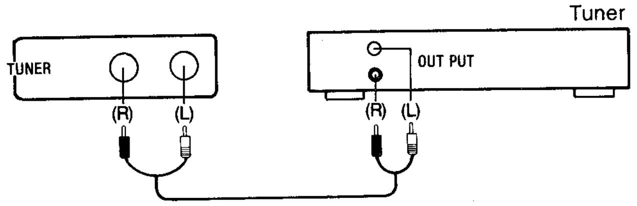
① "CD" terminals

Connect a compact disc player.


Compact disc player
CD
LINE OUT
(R)
(L)
(R)
(L)

② "TUNER" terminals

Connect a tuner.

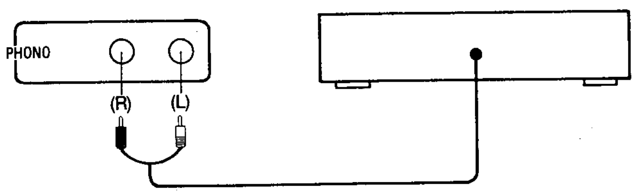

Tuner
TUNER
OUT PUT
(R)
(L)
(R)
(L)

■ "SYSTEM CONTROL IN" terminal

This terminal is used to connect a Technics tuner with the "SYSTEM CONTROL OUT" terminal.

③ "PHONO" terminals

Connect a turntable.


Turntable
PHONO
(R)
(L)

■ "GND" terminal of the amplifier

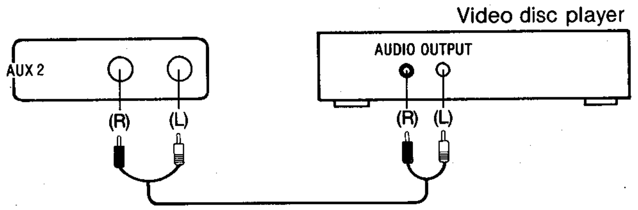
This terminal is for use with a turntable which has a ground wire.

■ "CONTROL (TO TURNTABLE)" terminal

This terminal is used to connect a Technics turntable with the "REMOTE/SYNCHRO REC" terminal.

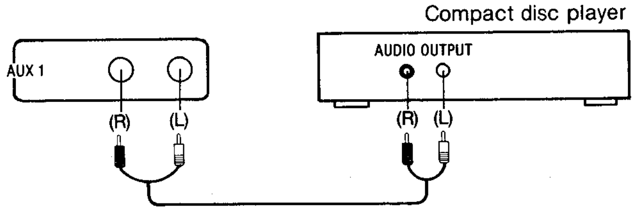
④ "AUX 2" terminals

Connect a video disc player etc. (Only the audio is connectable)


Video disc player
AUX 2
AUDIO OUTPUT
(R)
(L)
(R)
(L)

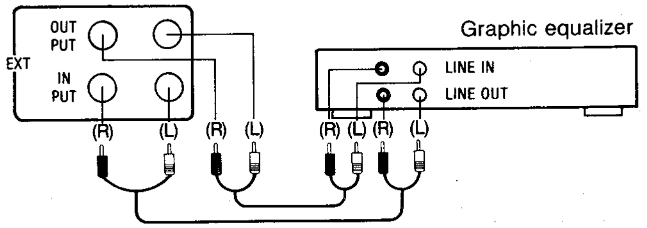
⑤ "AUX 1" terminals

Connect a second compact disc player.

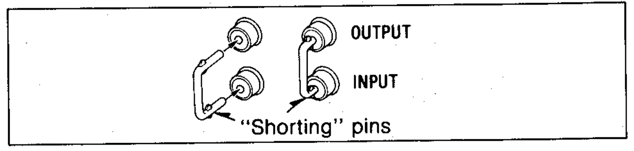

Compact disc player
AUX 1
AUDIO OUTPUT
(R)
(L)
(R)
(L)

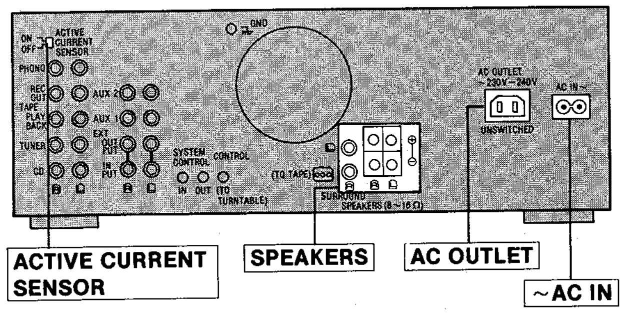
⑥ "EXT" terminals

Connect a graphic equalizer.


Graphic equalizer
EXT
OUT PUT
IN PUT
LINE IN
LINE OUT
(R)
(L)
(R)
(L)
(R)
(L)
(R)
(L)

Note:
When these terminals are not in use, be sure to insert the "shorting" pins (included).


OUTPUT
INPUT
"Shorting" pins

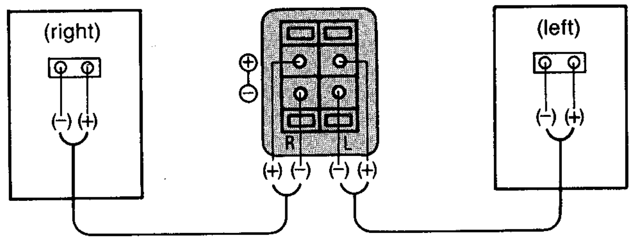

ACTIVE CURRENT SENSOR
SPEAKERS
AC OUTLET
~AC IN

Connection of speaker systems

Two pairs of speaker systems (main, surround-sound) can be connected to the amplifier.
Speaker systems that can be connected to any of the speaker connection terminals of the amplifier are speaker systems with an impedance of 8 to 16 ohms.
Make connections to each speaker system by using speaker cords (not included).

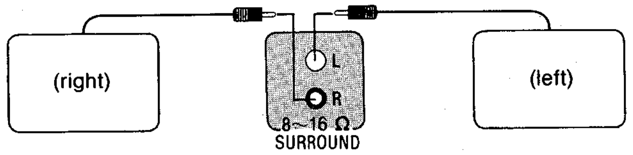
Main speaker systems (not included)

Connect to the "SPEAKER" terminals.


(right)
(left)
(−) (+)
(+) (−)
(−) (+)
(−) (+)
R
L

Surround-sound speaker systems (not included)

Connect to the "SURROUND" terminals.
Be sure to connect both speaker systems. If only one side is connected, no sound will be heard.


(right)
(left)
L
R
8~16 Ω
SURROUND

How to use the active current sensor

The selector is used to enjoy powerful super-bass sound.

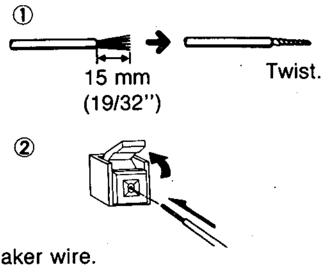
ON: Switch ON when connecting the Technics system speakers (SB-CS60).

OFF: Switch OFF when connecting speakers other than Technics system speakers.

Note:
When connecting speakers other than system speakers, sound from the speakers may not be heard if the selector is pressed ON, because the protecting circuit on the amplifier becomes active.

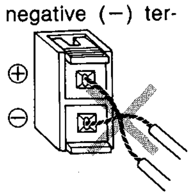
To connect cords to terminals

① Strip off the outer covering, and twist the center conductor.
② Tilt the lever back and insert the cord.
③ Close the lever and pull the cord gently to be sure that it is secure.


①
15 mm (19/32")
Twist.
②

Notes:
- Do not use solid core speaker wire.
- To connect the speaker cord, twist the strands on the end. Do not solder the conductor.
- Be sure to only connect positive (+) cords to positive (+) terminals, and negative (−) cords to negative (−) terminals.

Note:
To prevent damage to circuitry, never short-circuit the plus (+) and minus (−) speaker wires.



AC outlet ("AC OUTLET")

Do not connect video equipment (such as a TV, etc.) to the AC outlet of this unit. (This outlet is intended for audio equipment.) Do not exceed the indicated power ratings when connecting to this outlet.

"UNSWITCHED" outlet

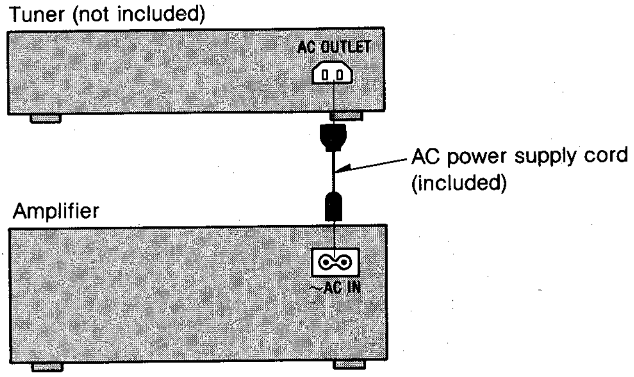
Power is always available, regardless of power switch.
Audio equipment rated up to 60 W can be connected here.

Note:
The configuration of the AC outlet differs according to area.

AC power supply cord

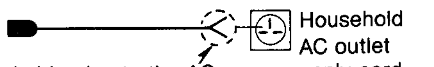
Connect the AC power supply cord (included) after all other cables and cords are connected.

Notes:
- Configuration of the AC outlet and AC power supply cord differs according to area.
- If this unit is not to be connected with the tuner, the cord is to be connected to the household AC outlet.


Tuner (not included)
AC OUTLET
AC power supply cord (included)
Amplifier
~AC IN

For United Kingdom

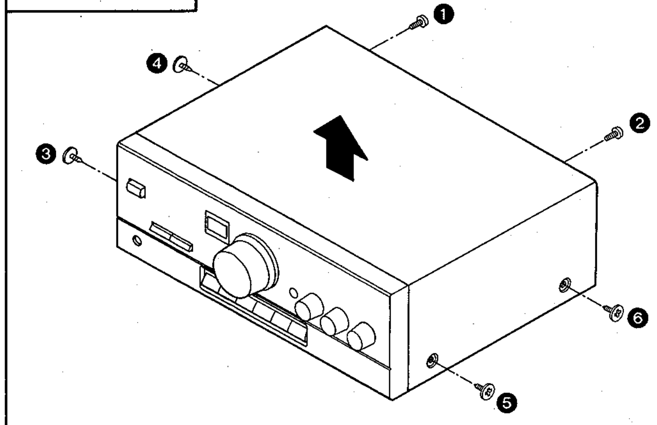
Cut off and dispose of the plug and replace with a suitable plug.


Household AC outlet

Fit a suitable plug to the AC power supply cord.

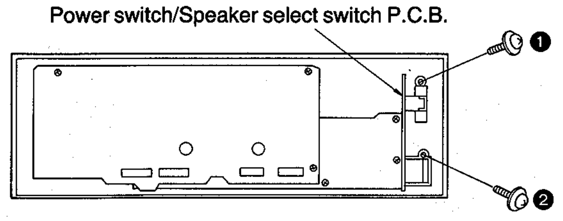
■ DISASSEMBLY INSTRUCTIONS

Ref. No. 1	Removal of the Cabinet
Procedure 1	



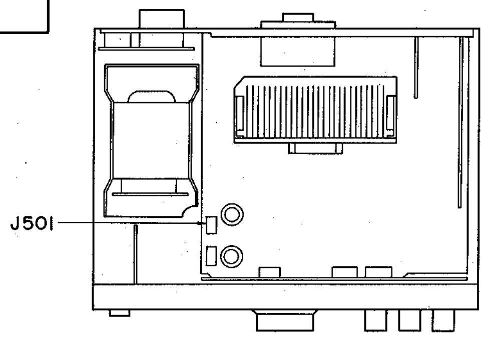
1. Remove the 6 screws (①~⑥).
2. Remove the cabinet in the direction of the arrow.

Ref. No. 3	Removal of the Power Switch/Speaker Select Switch P.C.B.
Procedure 1→2→3	


Power switch/Speaker select switch P.C.B.
①
②

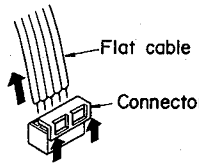
•Remove the 2 screws (①, ②).

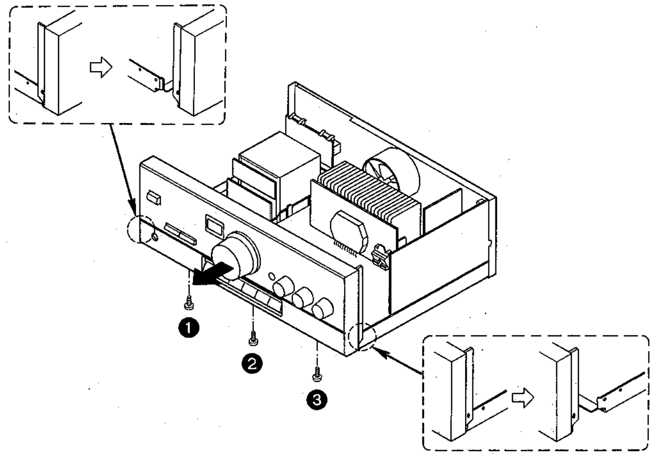
Ref. No. 2	Removal of the Front Panel Unit
Procedure 1→2	



1. Remove the connector (J501).

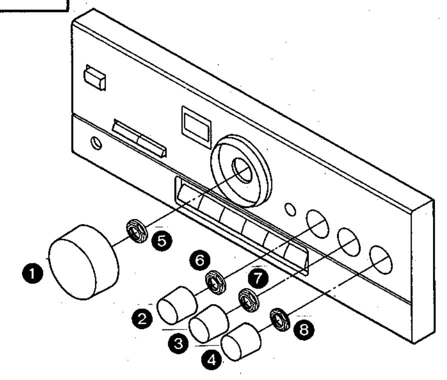
—Removal of the Connector—

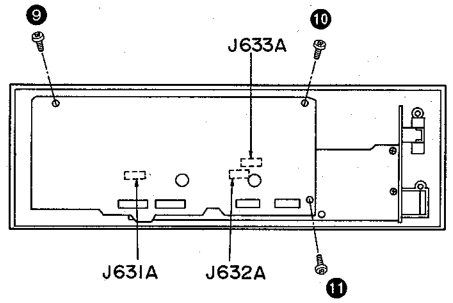

Flat cable
Connector

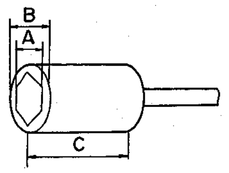


2. Remove the 3 screws (①~③).
3. Remove the front panel unit in the direction of the arrow.

Ref. No. 4	Removal of FL Drive P.C.B.
Procedure 1→2→4	




⑨
⑩
J633A
J631A
J632A
⑪

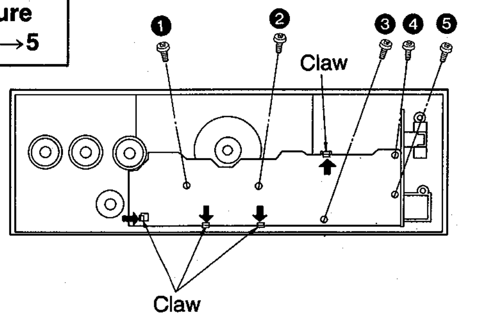


A=11 mm
B=16 mm
C=longer than 22 mm

•Use a wrench of the dimensions shown in the illustration above to remove nuts.

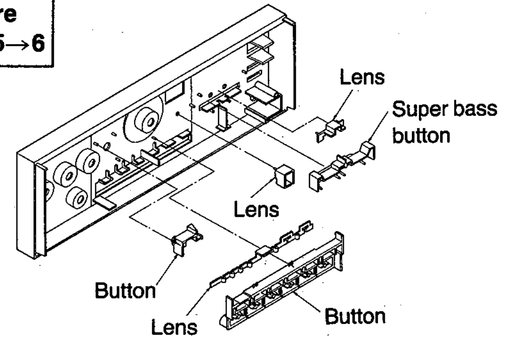
1. Remove the 4 knobs (①~④).
2. Remove the 4 nuts (⑤~⑧).
3. Remove the 3 screws (⑨~⑪).
4. Remove the 3 connectors (J631A, J632A, J633A).

Ref. No. 5	Removal of the Operation P.C.B.
Procedure 1→2→4→5	


①
②
③
④
⑤
Claw
Claw

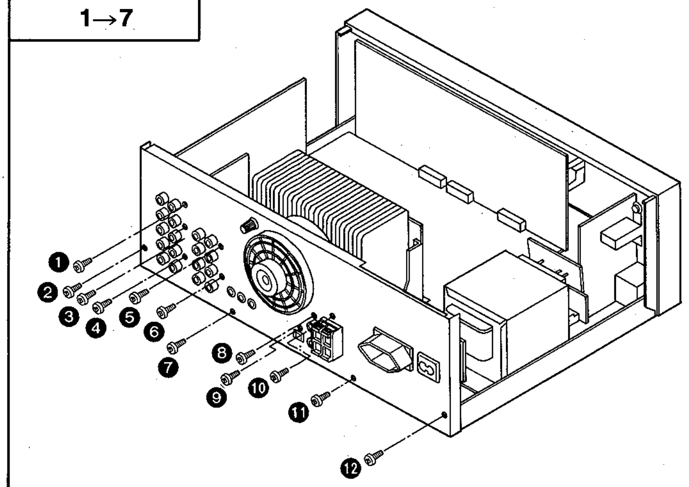
1. Remove the 5 screws (①~⑤).
2. Release the 4 claws in the direction of arrow.

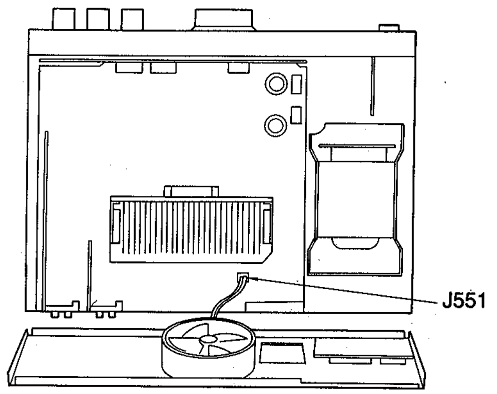
Ref. No. 6	Removal of the Operation Buttons
Procedure 1→2→4→5→6	


Lens
Super bass button
Lens
Button
Lens
Button

•Pull out the operation buttons and lens.

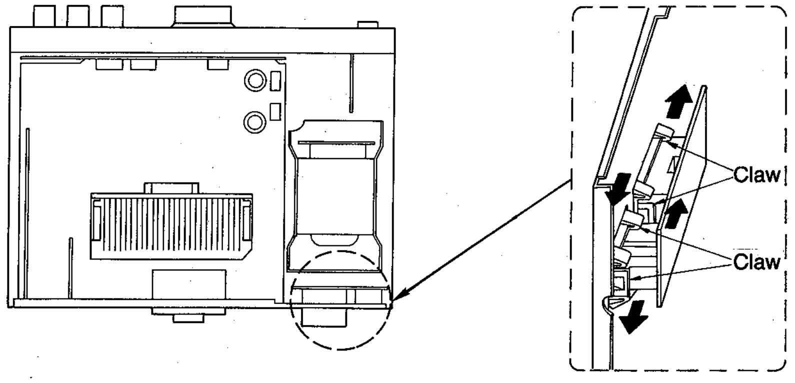
Ref. No. 7	Removal of the Rear Panel
Procedure 1→7	


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫



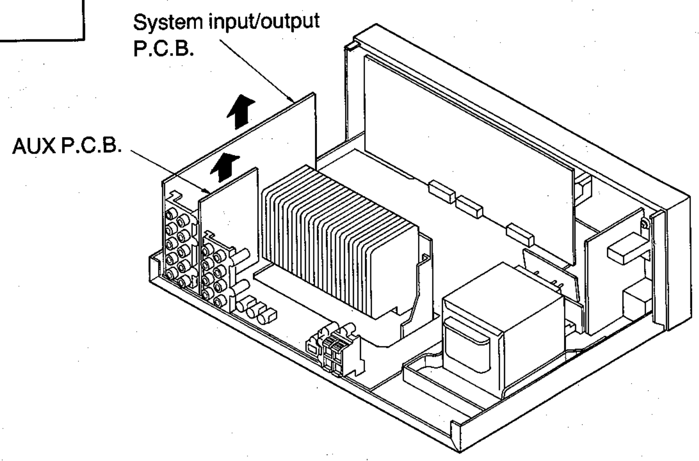
1. Remove the 12 screws (①~⑫).
2. Release the connector (J551).

Ref. No. 8	Removal of the AC OUTLET/AC IN P.C.B.
Procedure 1→8	



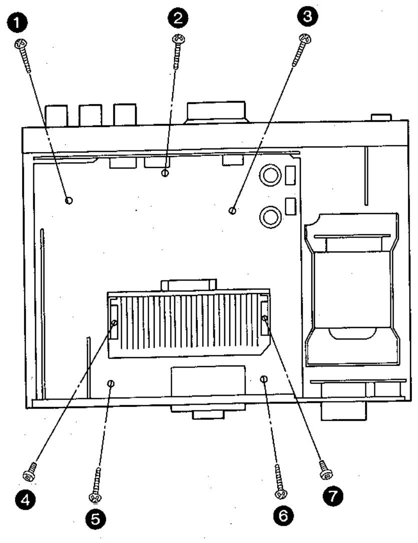
•Release the 4 claws.

Ref. No. 9	Removal of the P.C.B.s
Procedure 1→7→9	

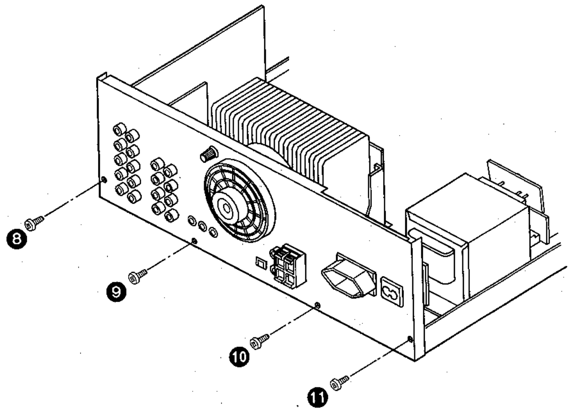

System input/output P.C.B.
AUX P.C.B.

- Remove the P.C.B. in the direction of the arrow.

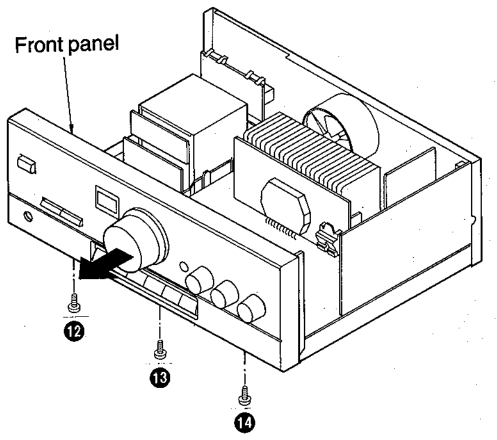
Ref. No. 10	Check of the main P.C.B.
Procedure 1→10	



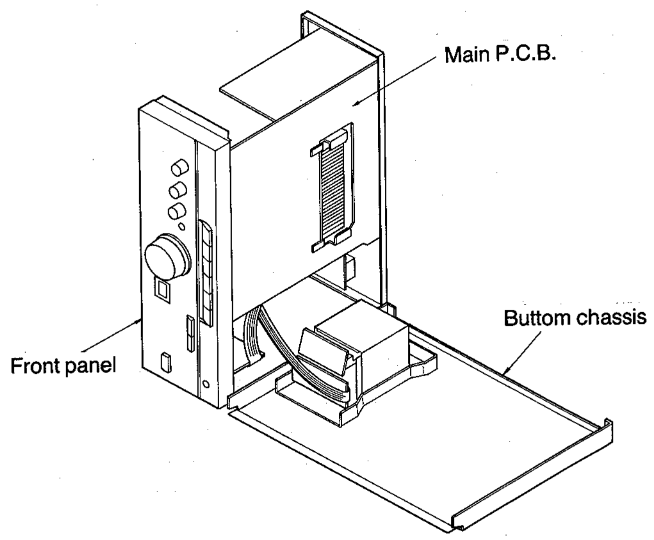
1. Remove the 7 screws (❶~❼).



2. Remove the 4 screws (❽~⓫).


Front panel
⓬
⓭
⓮

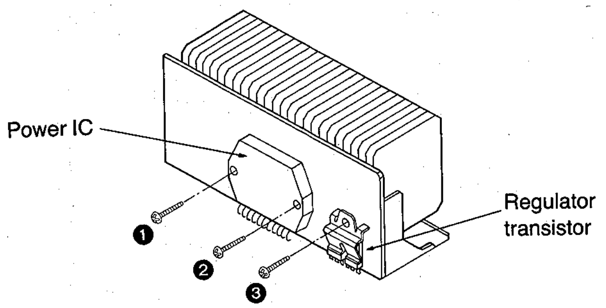
3. Remove the 3 screws (⓬~⓮).
4. Remove the front panel unit in the direction of the arrow.
   *Connect 2 flat cables (J501A, J502).


Main P.C.B.
Buttom chassis
Front panel

5. Remove the bottom chassis.
6. Reinstall the front panel unit to the main P.C.B.

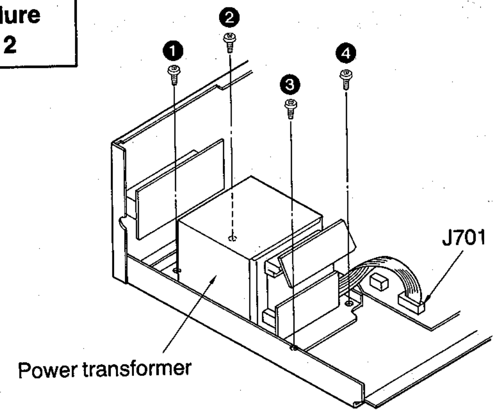
Ref. No. 11	Removal of the Power IC and Regulator Transistor
Procedure 1→10→11	

1. Unsolder the power IC or regulator transistor.
2. Remove the 3 screws (❶~❸).


Power IC
Regulator transistor
❶
❷
❸

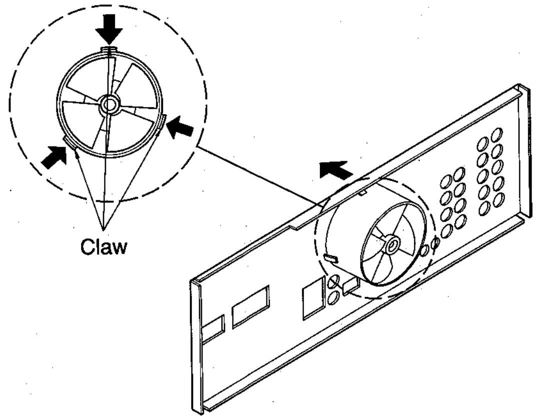
Note: When mounting the power IC, or regulator transistor apply silicon terminal compound (SZZ0L15) to the rear of the power IC or regulator transistor.

Ref. No. 12	Removal of the Power Transformer
Procedure 1→12	

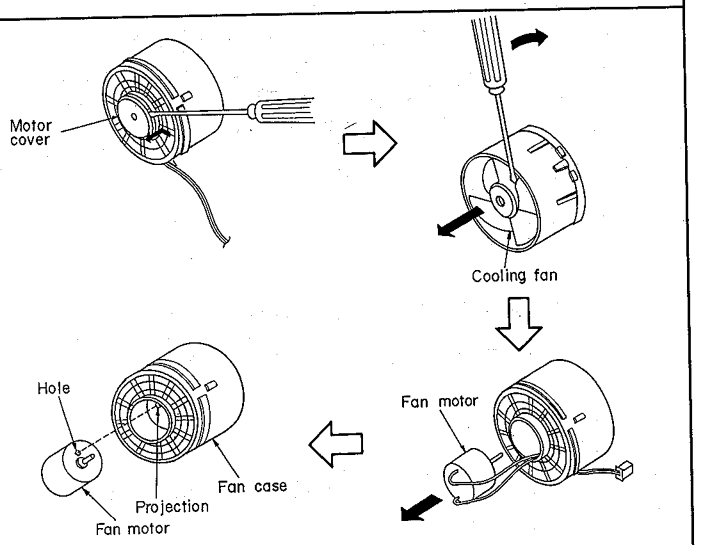

❶
❷
❸
❹
J701
Power transformer

1. Remove the 1 flat cable (J701).
2. Remove the 4 screws (❶~❹).

Ref. No. 13	Removal of the Fan Motor
Procedure 1→7→13	



1. Remove the 1 connector (J209).
2. Release the 3 claws.

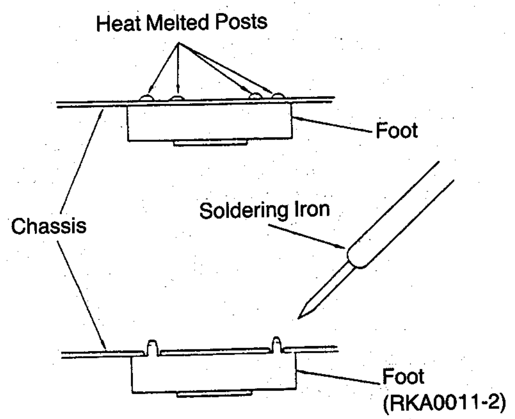

Motor cover
Cooling fan
Hole
Fan motor
Fan case
Projection
Fan motor

3. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft.
4. Remove the motor cover by used ⊖ screwdriver.
5. Remove the motor from the fan casing.
6. When mounting the motor fan, align the fan casing's projection with the hole of the fan motor.

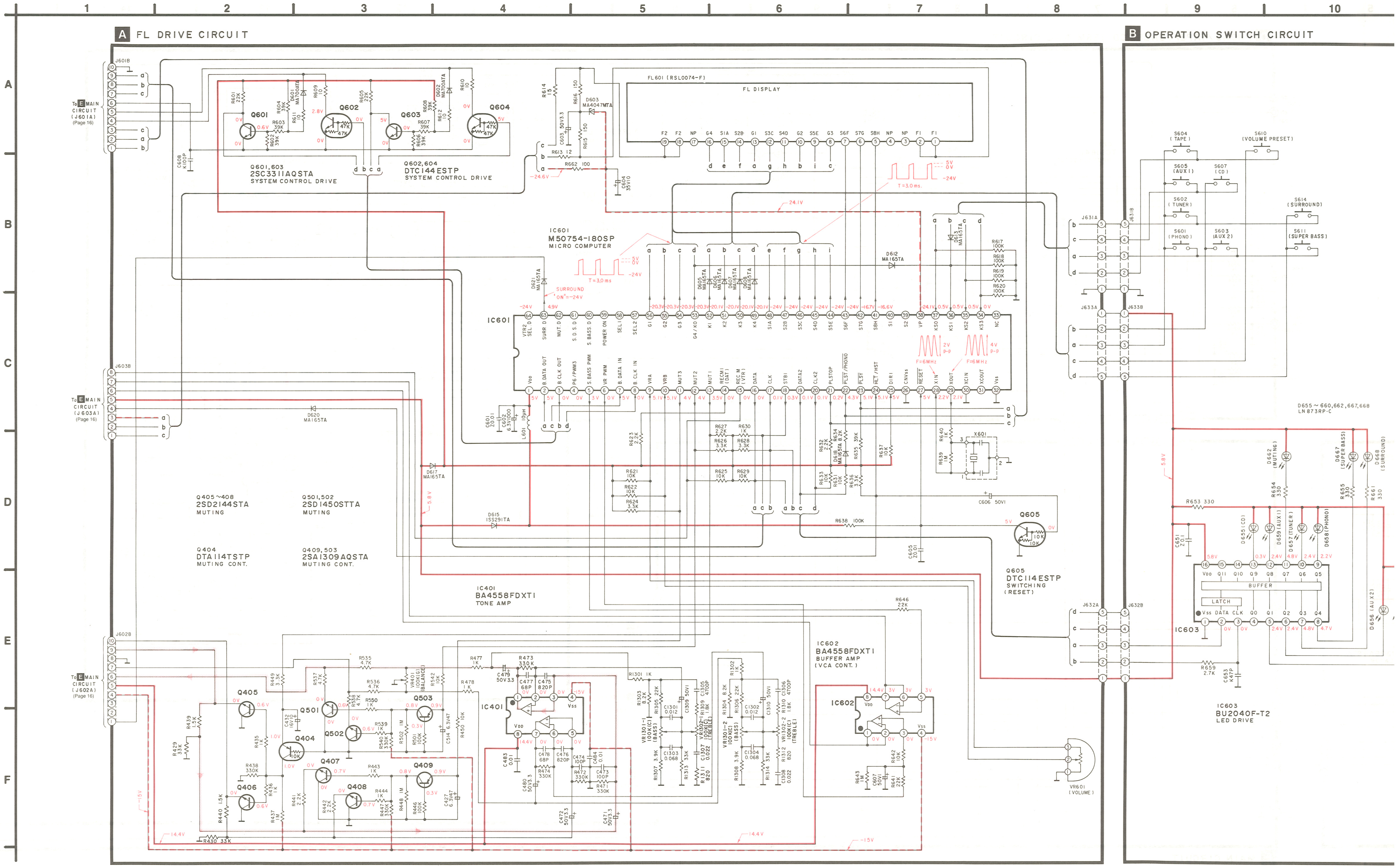
"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

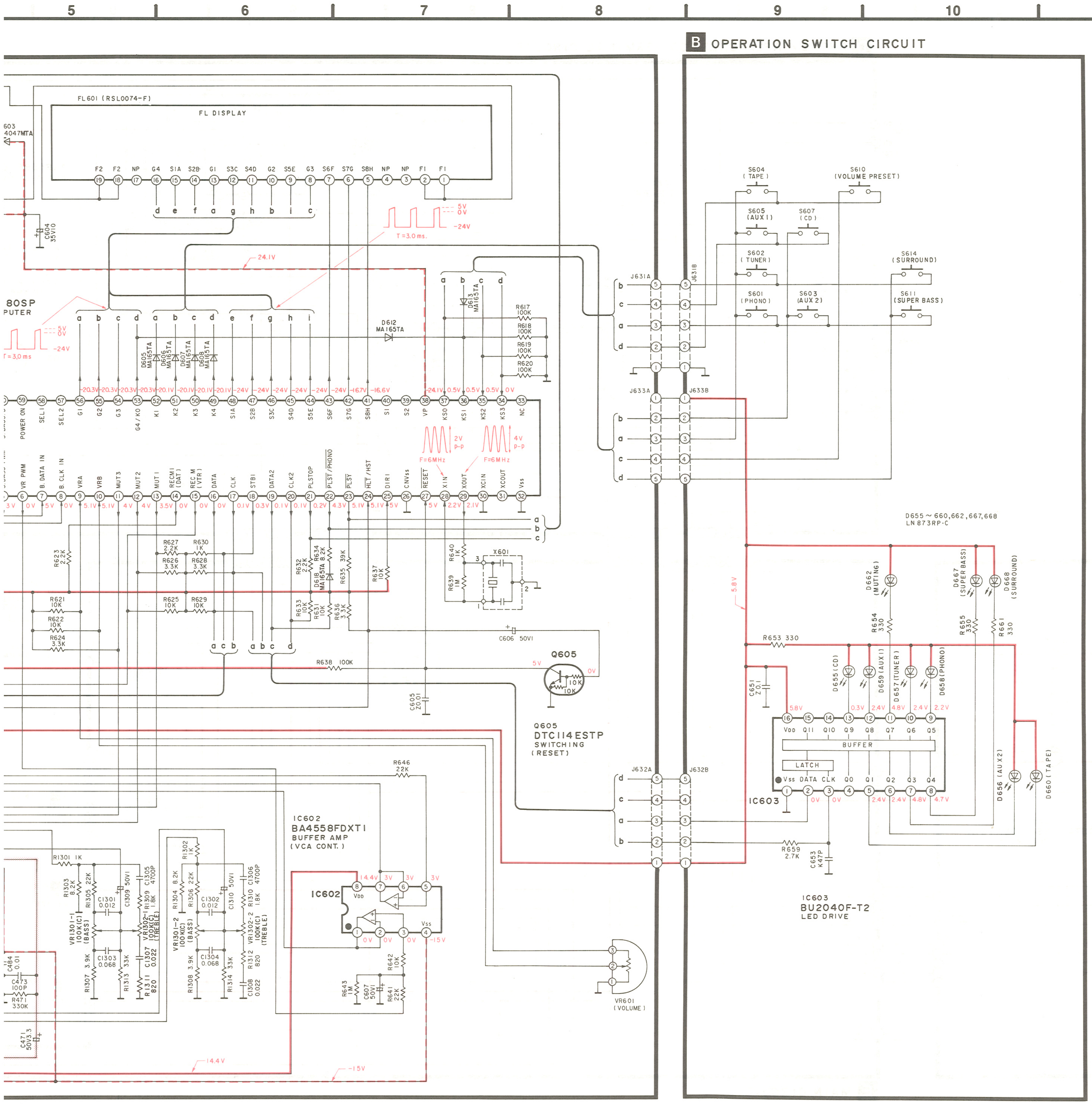
•Replacement of the Foot.

1. Remove the 4 heat melted posts on the chassis with a pair of nippers or similar tool.
2. To replace the foot (RKA0011-2) on the chassis, melt the 4 posts with a soldering iron.


Heat Melted Posts
Foot
Chassis
Soldering Iron
Foot
(RKA0011-2)

■ SCHEMATIC DIAGRAM


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
A FL DRIVE CIRCUIT
B OPERATION SWITCH CIRCUIT
J601B
To E MAIN CIRCUIT (J601A) (Page 16)
J603B
To E MAIN CIRCUIT (J603A) (Page 16)
J602B
To E MAIN CIRCUIT (J602A) (Page 16)
Q601
Q602
Q603
Q604
Q601,603 2SC3311AQSTA SYSTEM CONTROL DRIVE
Q602,604 DTC144ESTP SYSTEM CONTROL DRIVE
FL601 (RSL0074-F)
FL DISPLAY
D603 MA4047MTA
IC601 M50754-180SP MICRO COMPUTER
IC601
SURROUND "ON"=-24V
T=3.0ms
D612 MA165TA
D617 MA165TA
D615 1SS291TA
D620 MA165TA
X601
Q605
Q605 DTC114ESTP SWITCHING (RESET)
C606 50V1
Q405~408 2SD2144STA MUTING
Q501,502 2SD1450STTA MUTING
Q404 DTA114TSTP MUTING CONT.
Q409,503 2SA1309AQSTA MUTING CONT.
IC401 BA4558FDXT1 TONE AMP
IC401
Q405
Q501
Q503
Q404
Q502
Q406
Q407
Q408
Q409
VR401 100K(G) (BALANCE)
VR1301-1 100K(C) (BASS)
VR1302-1 100K(C) (TREBLE)
VR1301-2 100K(C) (BASS)
VR1302-2 100K(C) (TREBLE)
IC602 BA4558FDXT1 BUFFER AMP (VCA CONT.)
IC602
VR601 (VOLUME)
J631A
J631B
J633A
J633B
J632A
J632B
S604 (TAPE)
S610 (VOLUME PRESET)
S605 (AUX1)
S607 (CD)
S602 (TUNER)
S614 (SURROUND)
S601 (PHONO)
S603 (AUX2)
S611 (SUPER BASS)
D655~660,662,667,668 LN873RP-C
D662 (MUTING)
D667 (SUPER BASS)
D668 (SURROUND)
D655 (CD)
D659 (AUX1)
D657 (TUNER)
D658 (PHONO)
D656 (AUX2)
IC603
IC603 BU2040F-T2 LED DRIVE
BUFFER
LATCH
R653 330
R659 2.7K
C653 K47P
C651 Z01


5
6
7
8
9
10
11
B OPERATION SWITCH CIRCUIT
FL601 (RSL0074-F)
FL DISPLAY
S604 (TAPE)
S610 (VOLUME PRESET)
S605 (AUX1)
S607 (CD)
S602 (TUNER)
S614 (SURROUND)
S601 (PHONO)
S603 (AUX2)
S611 (SUPER BASS)
J631A
J631B
J633A
J633B
J632A
J632B
D612 MA165TA
D613 MA165TA
R617 100K
R618 100K
R619 100K
R620 100K
-24.1V
T=3.0ms
80SP
PUTER
X601
C606 50V1
Q605
Q605 DTC114ESTP SWITCHING (RESET)
R638 100K
R646 22K
IC602 BA4558FDXT1 BUFFER AMP (VCA CONT.)
IC602
VR601 (VOLUME)
D655 ~ 660,662,667,668 LN873RP-C
D662 (MUTING)
D667 (SUPER BASS)
D668 (SURROUND)
R654 330
R655 330
R661 330
R653 330
D655 (CD)
D659 (AUX1)
D657 (TUNER)
D658 (PHONO)
D656 (AUX2)
D660 (TAPE)
IC603
IC603 BU2040F-T2 LED DRIVE
BUFFER
LATCH
R659 2.7K
C653 47P
5.8V
-14.4V
-15V
14.4V

Notes: (This schematic diagram may be modified at any time with the development of new technology.)

●S601	:PHONO input switch.
●S602	:TUNER input switch.
●S603	:AUX 2 input switch.
●S604	:TAPE input switch.
●S605	:AUX 1 input switch.
●S607	:CD input switch.
●S610	:VOLUME PRESET switch.
●S611	:SUPER BASS switch.
●S614	:SURROUND switch.

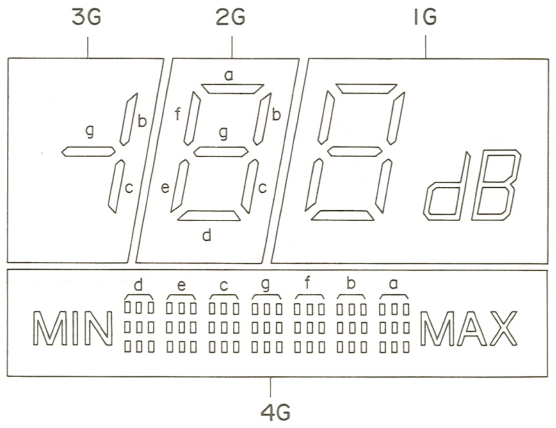
▨	CD signal (Lch), Phono signal (Lch)
—	Positive voltage lines (+)
- - -	Negative voltage lines (−)

- ●Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- ●Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

***Caution!**

IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care furing repair.
*Cover the parts boxes made of plastics with aluminum foil.
*Ground the soldering iron.
*Put a conductive may on the work table.
*Do not touch the legs of IC or LSI with the fingers directly.

■ DESCRIPTION OF FL PANEL


3G
2G
1G
a
b
c
d
e
f
g
dB
MIN
MAX
4G

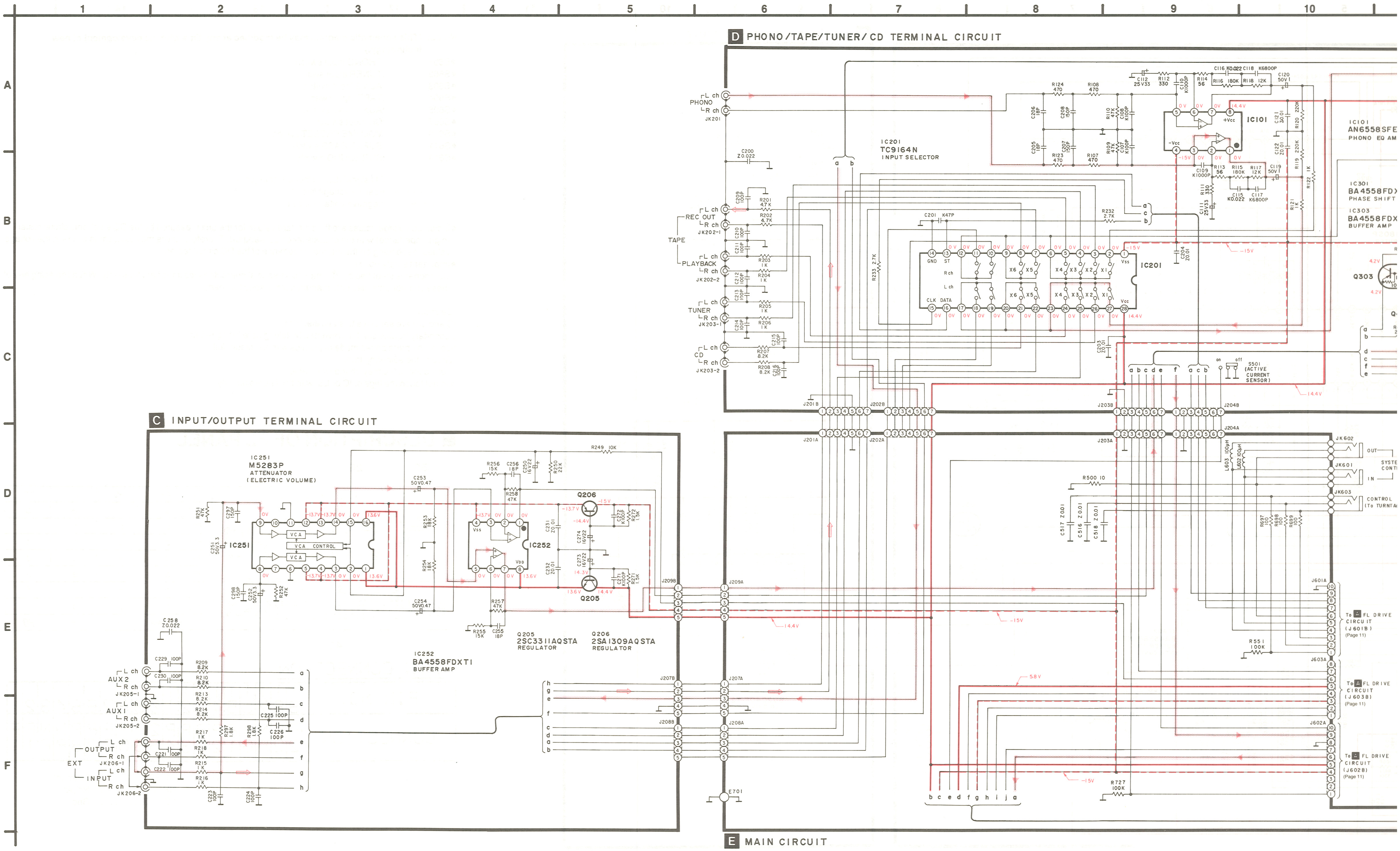
	4G	3G	2G	1G
P1	a	—	a	a
P2	b	b	b	b
P3	c	c	c	c
P4	d	—	d	d
P5	e	—	e	e
P6	f	—	f	f
P7	g	g	g	g
P8	MIN MAX	—	—	dB

PIN CONNECTION

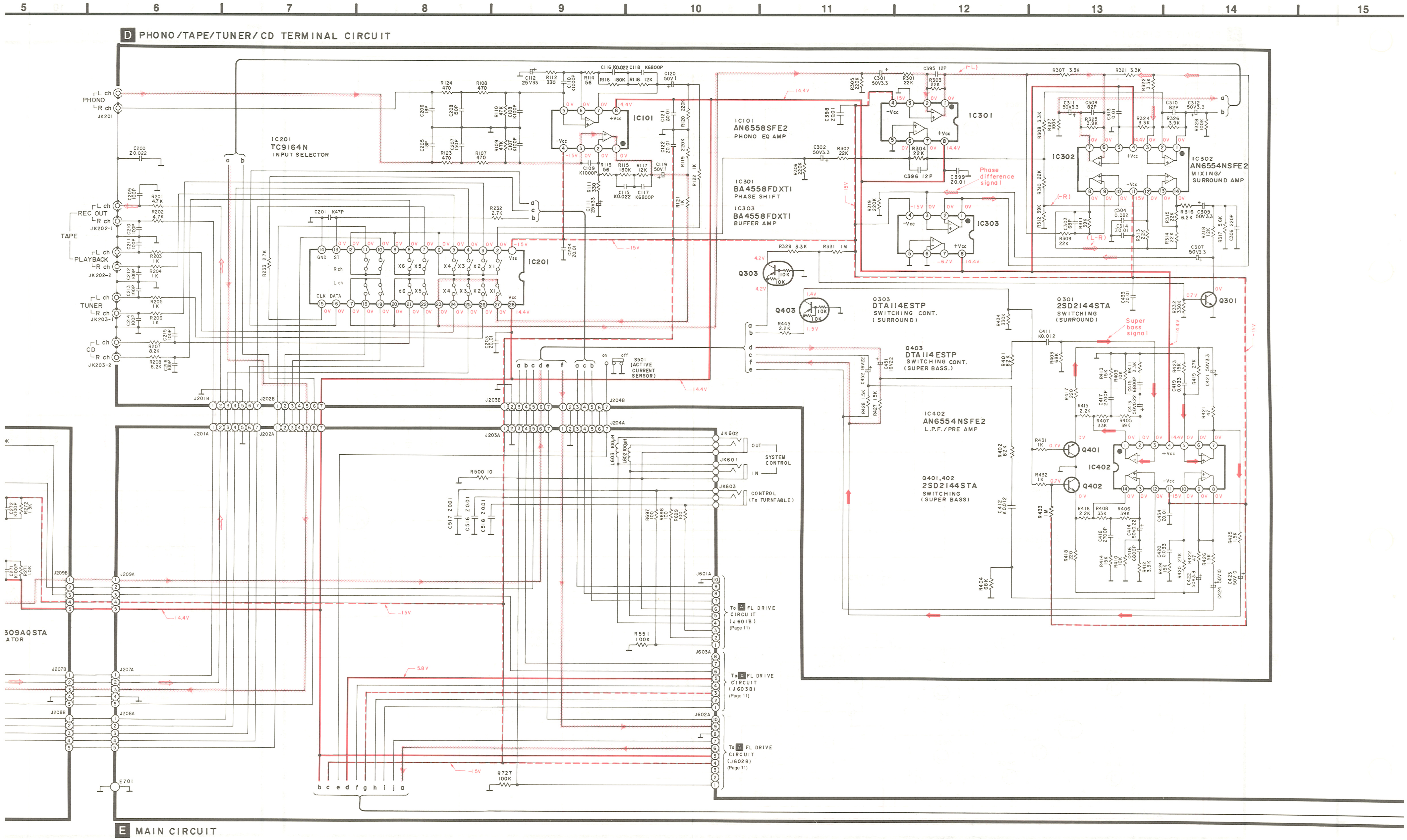
PIN NO.	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F2	F2	NP	4G	P1	P2	3G	P3	P4	2G	P5	1G	P6	P7	P8	NP	NP	F1	F1

Notes: F1, F2 .... Filament
NP .... No pin
1G~4G.......... Grid

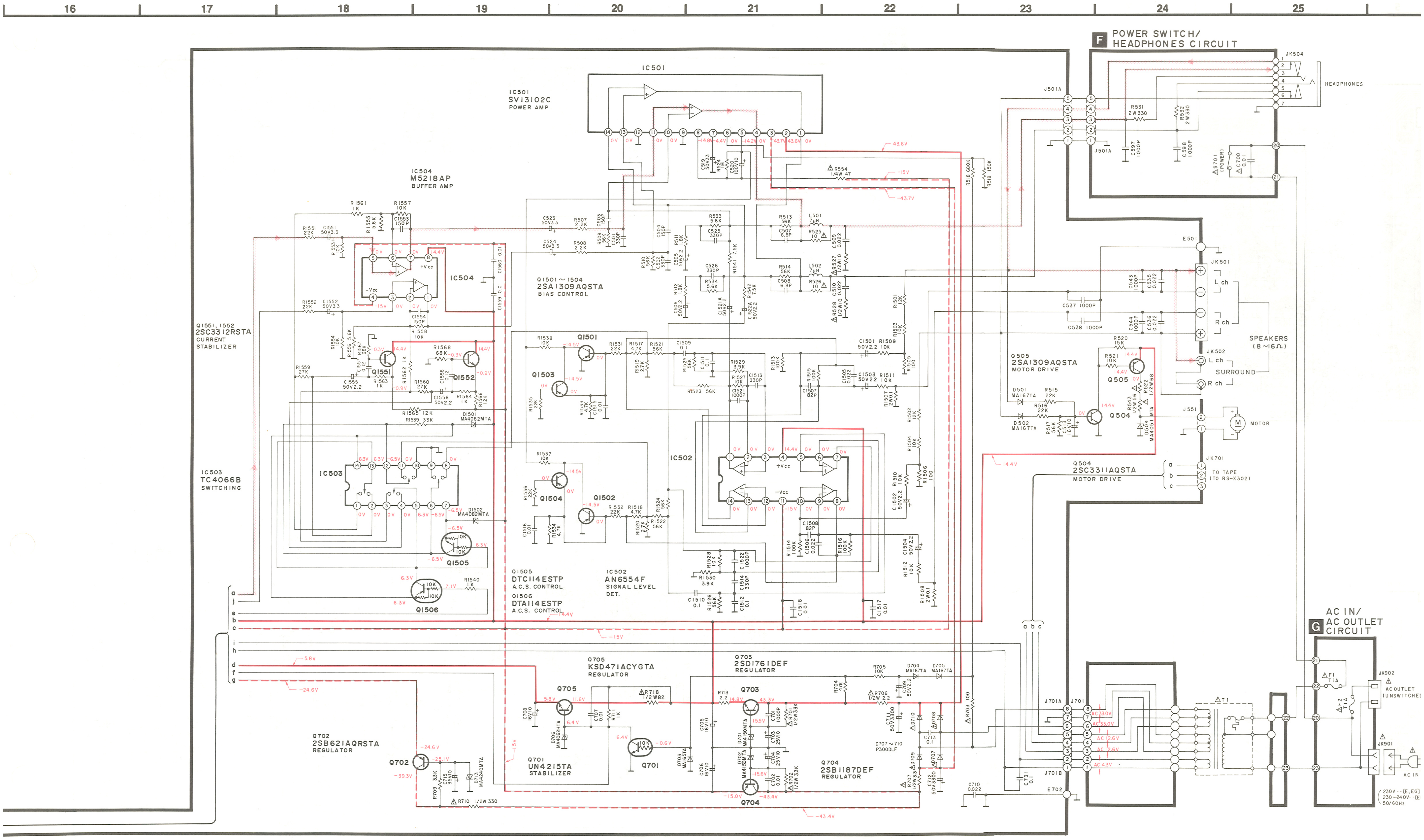
■ SCHEMATIC DIAGRAM

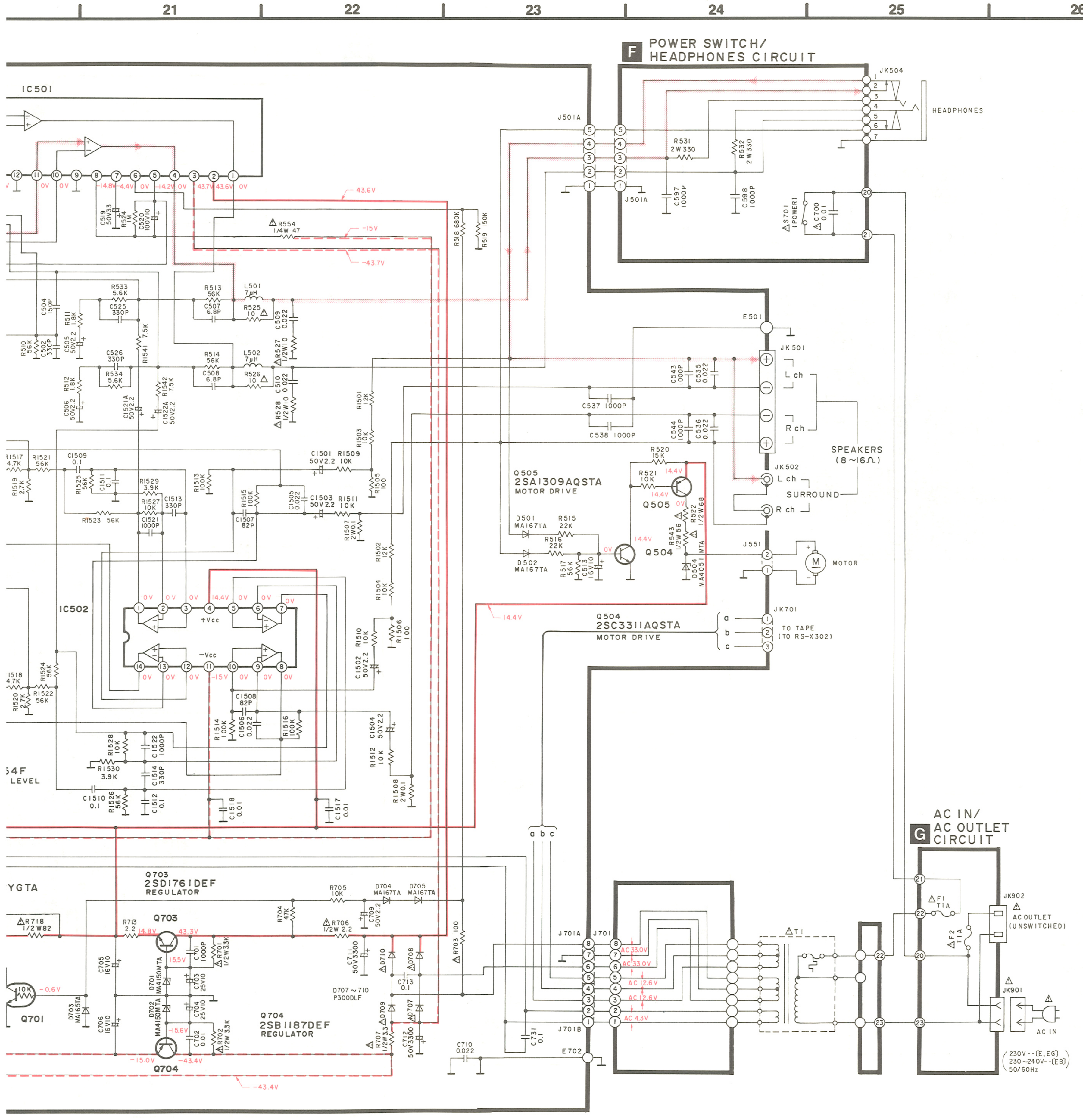

1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
D PHONO/TAPE/TUNER/CD TERMINAL CIRCUIT
PHONO
L ch
R ch
JK201
REC OUT
PLAYBACK
TAPE
JK202-1
JK202-2
TUNER
JK203-1
CD
JK203-2
IC201
TC9164N
INPUT SELECTOR
IC101
AN6558SFE
PHONO EQ AMP
IC301
BA4558FDX
PHASE SHIFT
IC303
BA4558FDX
BUFFER AMP
Q303
S501
(ACTIVE CURRENT SENSOR)
C INPUT/OUTPUT TERMINAL CIRCUIT
IC251
M5283P
ATTENUATOR
(ELECTRIC VOLUME)
IC252
BA4558FDXT1
BUFFER AMP
Q205
2SC3311AQSTA
REGULATOR
Q206
2SA1309AQSTA
REGULATOR
AUX 2
JK205-1
AUX 1
JK205-2
OUTPUT
EXT
INPUT
JK206-1
JK206-2
E MAIN CIRCUIT
JK602
OUT
JK601
IN
SYSTEM CONT
JK603
CONTROL
(To TURNTA
J601A
To FL DRIVE CIRCUIT (J601B) (Page 11)
J603A
To FL DRIVE CIRCUIT (J603B) (Page 11)
J602A
To FL DRIVE CIRCUIT (J602B) (Page 11)
E701
-14.4V
-15V
5.8V
14.4V

D PHONO/TAPE/TUNER/CD TERMINAL CIRCUIT


5
6
7
8
9
10
11
12
13
14
15
PHONO
L ch
R ch
JK201
TAPE
REC OUT
JK202-1
PLAYBACK
JK202-2
TUNER
JK203-1
CD
JK203-2
IC201
TC9164N
INPUT SELECTOR
IC101
AN6558SFE2
PHONO EQ AMP
IC301
BA4558FDXTI
PHASE SHIFT
IC303
BA4558FDXTI
BUFFER AMP
IC302
AN6554NSFE2
MIXING/
SURROUND AMP
Phase difference signal
Q303
DTA114ESTP
SWITCHING CONT.
(SURROUND)
Q301
2SD2144STA
SWITCHING
(SURROUND)
Q403
DTA114ESTP
SWITCHING CONT.
(SUPER BASS.)
Super bass signal
IC402
AN6554NSFE2
L.P.F./PRE AMP
Q401,402
2SD2144STA
SWITCHING
(SUPER BASS)
S501
(ACTIVE CURRENT SENSOR)
JK602
OUT
SYSTEM CONTROL
JK601
IN
JK603
CONTROL
(To TURNTABLE)
To FL DRIVE CIRCUIT (J601B)
(Page 11)
To FL DRIVE CIRCUIT (J603B)
(Page 11)
To FL DRIVE CIRCUIT (J602B)
(Page 11)
J201B
J202B
J203B
J204B
J201A
J202A
J203A
J204A
J209B
J209A
J207B
J207A
J208B
J208A
J601A
J603A
J602A
E701
309AQSTA
14.4V
-15V
5.8V

E MAIN CIRCUIT


16
17
18
19
20
21
22
23
24
25
IC501
IC501
SVI3102C
POWER AMP
IC504
M5218AP
BUFFER AMP
IC504
+Vcc
–Vcc
Q1501 ~ 1504
2SA1309AQSTA
BIAS CONTROL
Q1551, 1552
2SC3312RSTA
CURRENT
STABILIZER
Q1551
Q1552
Q1501
Q1503
Q1502
Q1504
IC503
TC4066B
SWITCHING
IC503
Q1505
Q1506
Q1505
DTC114ESTP
A.C.S. CONTROL
Q1506
DTA114ESTP
A.C.S. CONTROL
IC502
IC502
AN6554F
SIGNAL LEVEL
DET.
F
POWER SWITCH/
HEADPHONES CIRCUIT
JK504
HEADPHONES
J501A
S701 (POWER)
E501
JK501
L ch
R ch
SPEAKERS
(8 ~16Ω)
JK502
SURROUND
Q505
2SA1309AQSTA
MOTOR DRIVE
Q505
Q504
J551
MOTOR
Q504
2SC3311AQSTA
MOTOR DRIVE
JK701
TO TAPE
(TO RS–X302)
Q705
KSD471ACYGTA
REGULATOR
Q703
2SD1761DEF
REGULATOR
Q701
UN4215TA
STABILIZER
Q702
2SB621AQRSTA
REGULATOR
Q704
2SB1187DEF
REGULATOR
D707 ~ 710
P300DLF
J701A
J701
J701B
E702
T1
G
AC IN/
AC OUTLET
CIRCUIT
JK902
AC OUTLET
(UNSWITCHED
JK901
AC IN
230V~(E, EG)
230~240V~(E
50/60Hz
–43.6V
–15V
–43.7V
–14.4V
5.8V
–24.6V
–15.0V
–43.4V
–43.4V
AC 33.0V
AC 12.6V
AC 4.3V


21
22
23
24
25
26
IC501
IC502
F POWER SWITCH/ HEADPHONES CIRCUIT
JK504
HEADPHONES
J501A
R531 2W 330
R532 2W 330
C597 1000P
C598 1000P
S701 (POWER)
C700 0.01
R554 1/4W 47
R518 680K
R519 150K
-43.6V
-15V
-43.7V
E501
JK501
L ch
R ch
C537 1000P
C538 1000P
C543 1000P
C544 1000P
SPEAKERS (8～16Ω)
JK502
SURROUND
Q505 2SA1309AQSTA MOTOR DRIVE
Q504 2SC3311AQSTA MOTOR DRIVE
D501 MA167TA
D502 MA167TA
R515 22K
R516 22K
R520 15K
R521 10K
J551
MOTOR
JK701
TO TAPE (TO RS-X302)
+Vcc
-Vcc
4F LEVEL
YGTA
Q703 2SD1761DEF REGULATOR
Q704 2SB1187DEF REGULATOR
Q701
D707～710 P3000LF
J701A
J701
J701B
E702
G AC IN/ AC OUTLET CIRCUIT
JK902 AC OUTLET (UNSWITCHED)
JK901
AC IN
F1 T1A
F2 T1A
T1
(230V～(E,EG) 230～240V～(EB) 50/60Hz)
AC 33.0V
AC 12.6V
AC 4.3V
-43.4V
-15.0V

Notes: (This schematic diagram may be modified at any time with the development of new technology.)

- **S501** : Active current sensor switch in **"OFF"** position.
- **S701** : POWER switch in **"ON"** position.
- **S702** : Voltage select switch in **"220 V"** position. [for (GC) only.]

▨	CD signal (Lch), Phono signal (Lch)
—	Positive voltage lines (+)
- - -	Negative voltage lines (−)
➡	Super bass signal
⇨	Phase difference signal
⇨	Recording signal

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

***Caution!**

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care furing repair.

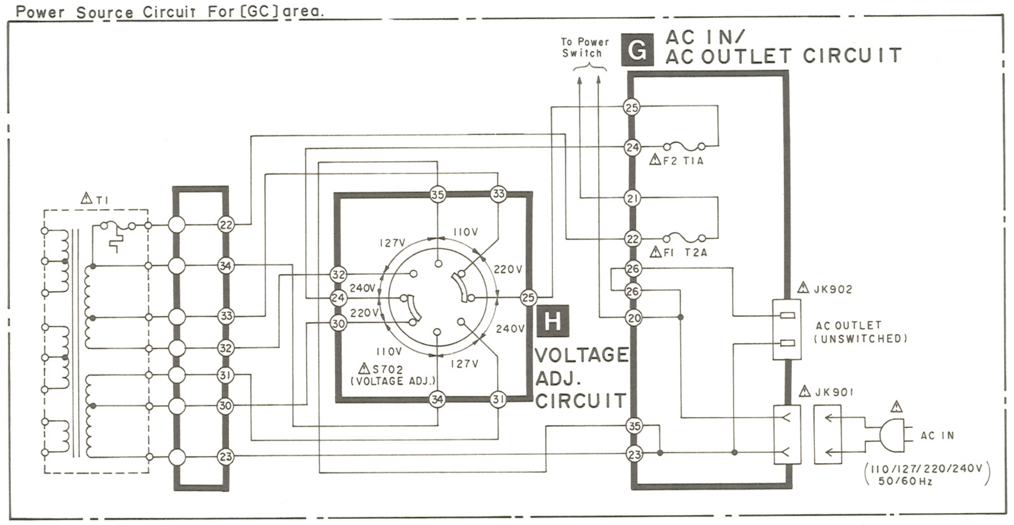
*Cover the parts boxes made of plastics with aluminum foil.

*Ground the soldering iron.

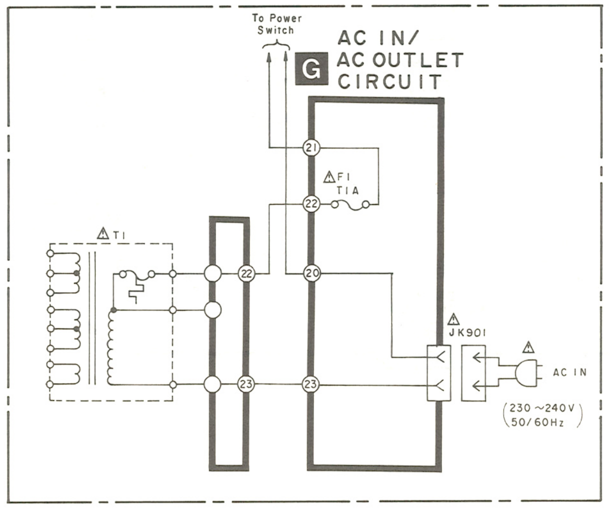
*Put a conductive may on the work table.

*Do not touch the legs of IC or LSI with the fingers directly.

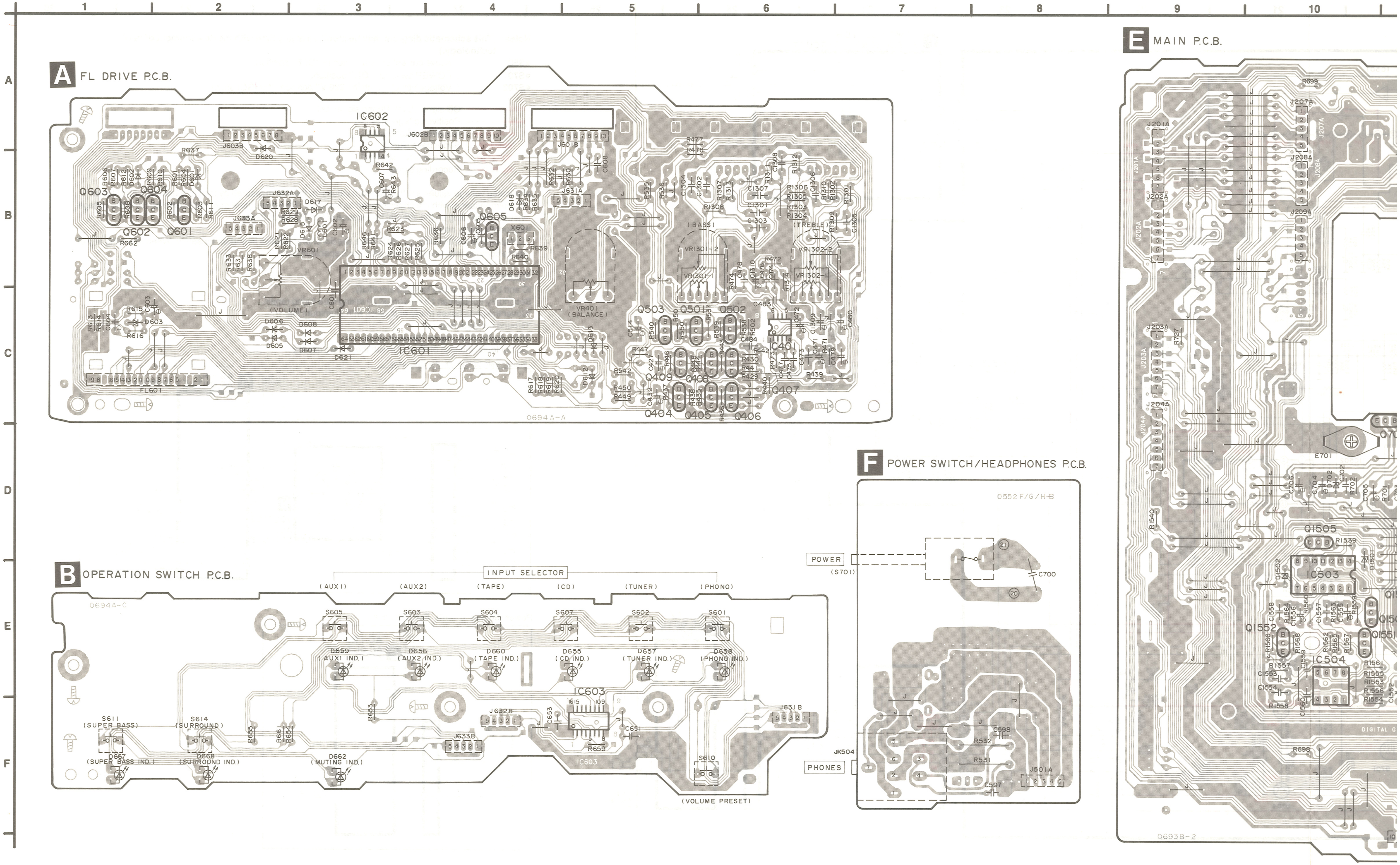
Power Source Circuit For [GC] area.

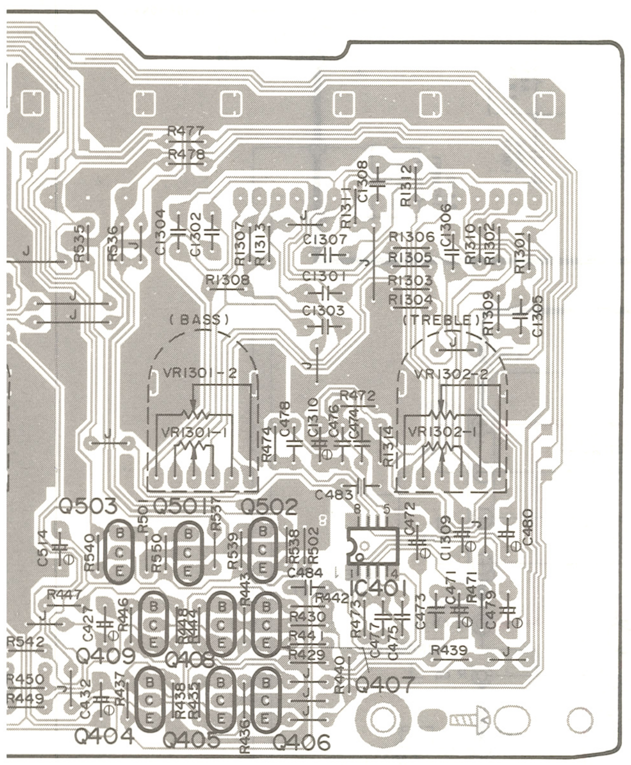

To Power Switch
G AC IN/ AC OUTLET CIRCUIT
T1
F2 T1A
F1 T2A
127V
110V
220V
240V
S702 (VOLTAGE ADJ.)
H VOLTAGE ADJ. CIRCUIT
JK902
AC OUTLET (UNSWITCHED)
JK901
AC IN
(110/127/220/240V 50/60Hz)

Power Source Circuit For [GN] area.

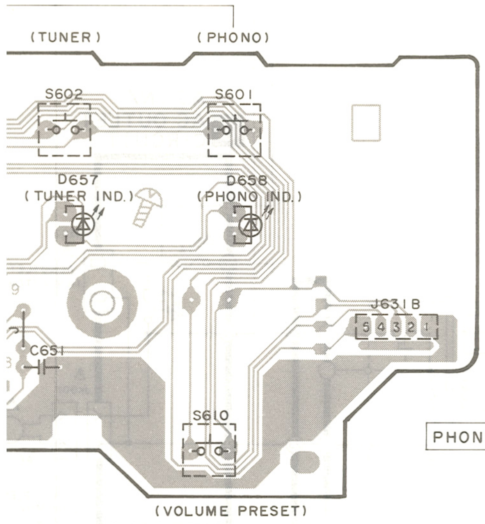

To Power Switch
G AC IN/ AC OUTLET CIRCUIT
T1
F1 T1A
JK901
AC IN
(230～240V 50/60Hz)

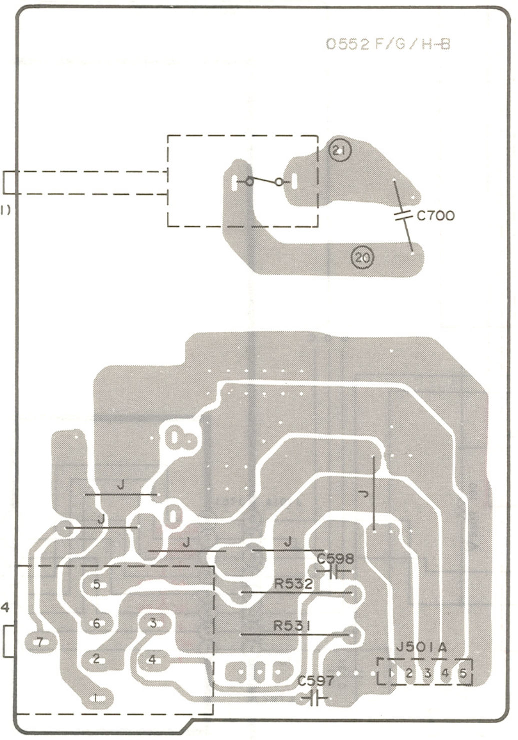
■ CIRCUIT BOARD DIAGRAM


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
A FL DRIVE P.C.B.
IC602
IC601
(VOLUME)
VR601
VR401 (BALANCE)
(BASS)
(TREBLE)
VR1301-1
VR1301-2
VR1302-1
VR1302-2
IC401
FL601
0694A-A
B OPERATION SWITCH P.C.B.
INPUT SELECTOR
(AUX1)
(AUX2)
(TAPE)
(CD)
(TUNER)
(PHONO)
S605
S603
S604
S607
S602
S601
D659 (AUX1 IND.)
D656 (AUX2 IND.)
D660 (TAPE IND.)
D655 (CD IND.)
D657 (TUNER IND.)
D658 (PHONO IND.)
S611 (SUPER BASS)
S614 (SURROUND)
D667 (SUPER BASS IND.)
D668 (SURROUND IND.)
D662 (MUTING IND.)
IC603
S610
(VOLUME PRESET)
0694A-C
E MAIN P.C.B.
IC503
IC504
Q1505
Q1552
E701
DIGITAL
0693B-2
F POWER SWITCH/HEADPHONES P.C.B.
0552 F/G/H-B
POWER
(S701)
C700
PHONES
JK504
J501A
R531
R532
C598
C597

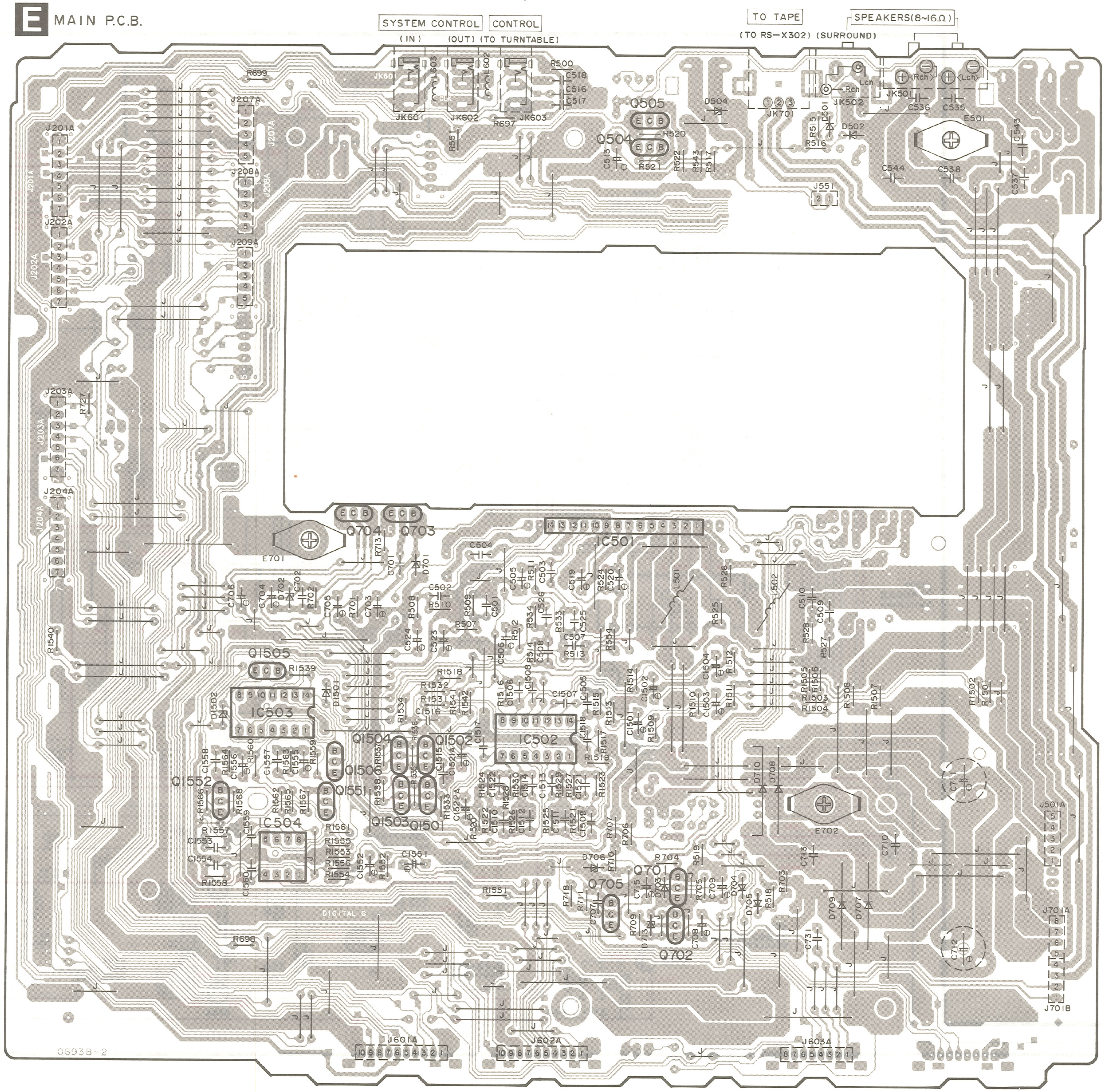

R477
R478
R535
R536
C1304
C1302
R1307
R1313
C1308
R1311
R1312
C1307
R1306
R1305
R1303
R1304
C1306
R1310
R1302
R1301
C1305
R1308
C1301
C1303
R1309
(BASS)
(TREBLE)
VR1301-2
VR1301-1
VR1302-2
VR1302-1
R472
C474
R474
C478
C476
C1310
R1314
C483
C484
IC401
C472
C1309
C480
Q503
Q501
Q502
C514
R540
R550
R539
R537
R538
R502
R447
C427
R446
R448
R445
R441
R442
R473
C477
C475
C471
R471
C479
R439
R542
R450
R449
Q409
Q408
R430
R444
R423
R440
Q407
C432
R437
R438
R433
R436
Q404
Q405
Q406

F POWER SWITCH/HEADPHONES P.C.B.


(TUNER)
(PHONO)
S602
S601
D657
(TUNER IND.)
D658
(PHONO IND.)
J631B
C651
S610
(VOLUME PRESET)

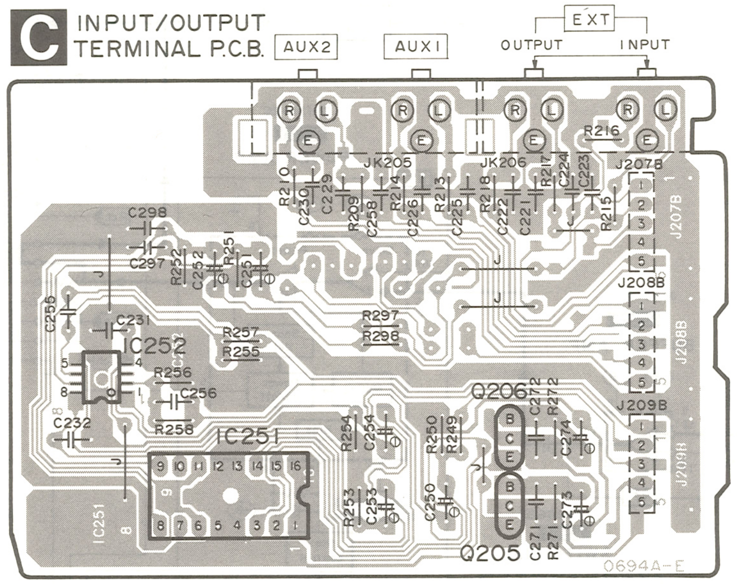

0552 F/G/H-B
POWER
(S701)
C700
JK504
PHONES
C598
R532
R531
J501A
C597

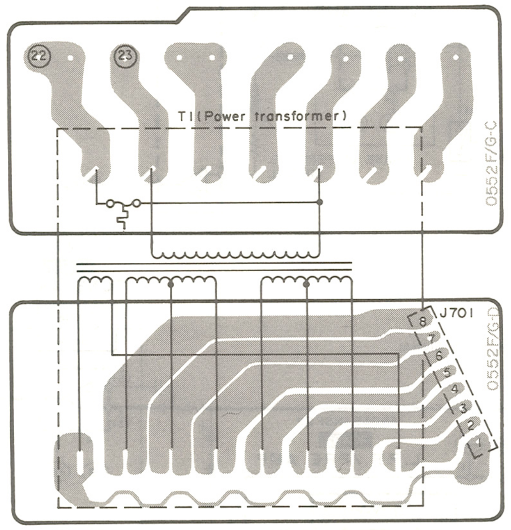
E MAIN P.C.B.


SYSTEM CONTROL
CONTROL
(IN)
(OUT)
(TO TURNTABLE)
TO TAPE
(TO RS-X302)
(SURROUND)
SPEAKERS(8~16Ω)
R699
JK601
L603
L602
JK602
JK603
R500
C518
C516
C517
R697
R551
Q505
Q504
R520
R521
C515
R522
R543
R517
D504
JK701
R515
R516
D501
D502
JK502
Rch
Lch
JK501
C536
C535
E501
C544
C538
C543
C537
J551
J201A
J202A
J207A
J208A
J209A
J203A
J204A
R727
Q704
Q703
E701
R713
C701
D701
C706
C704
D702
C702
R702
C705
R701
C703
C502
R510
R508
C501
R509
R507
C504
C505
R511
IC501
C503
C519
C520
R524
L501
R526
L502
R525
C510
C509
R528
R527
C524
C523
C506
C512
R512
R534
C526
C525
R533
C508
R514
C507
R513
R554
Q1505
R1539
R1540
R1518
R1532
R1533
R1542
C1516
R1534
IC503
D1502
D1501
IC502
Q1504
Q1502
Q1500
Q1551
Q1503
Q1501
Q1552
IC504
C1558
R1564
C1556
C1557
C1560
R1559
R1566
R1568
R1557
C1553
C1554
R1558
C1559
R1562
R1563
R1567
R1561
R1555
R1553
R1556
R1554
C1552
R1552
C1551
R1551
C1507
R1505
R1515
R1514
C1502
C1504
R1512
R1510
C1503
R1511
C1501
R1509
R1506
R1503
R1504
R1508
R1507
R1502
R1501
R1516
C1506
C1508
R1517
R1513
R1524
R1522
R1526
R1528
R1530
C1513
R1529
C1522
C1510
C1512
C1514
R1525
C1511
R1521
C1509
R1523
R1527
C1505
D710
D708
E702
C711
C710
C713
R707
R706
D706
R704
Q705
Q701
R519
C709
D704
R703
R718
R711
C715
R705
R518
D705
D709
D707
C707
R709
D713
Q702
C708
C714
C712
J501A
J701A
J701B
R698
DIGITAL G
J601A
J602A
J603A
0693B-2

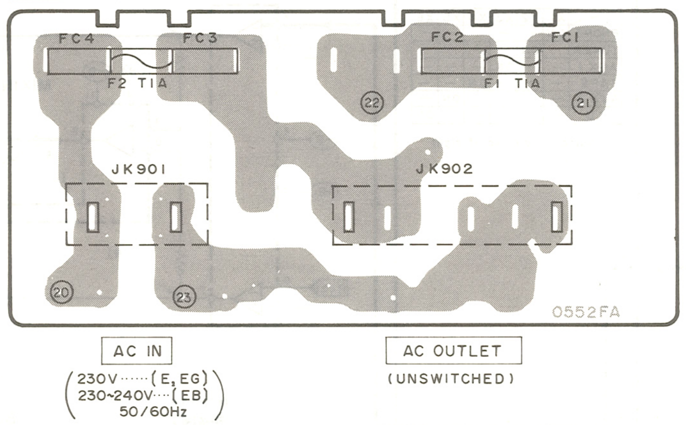
CIRCUIT BOARD DIAGRAM

C INPUT/OUTPUT TERMINAL P.C.B.

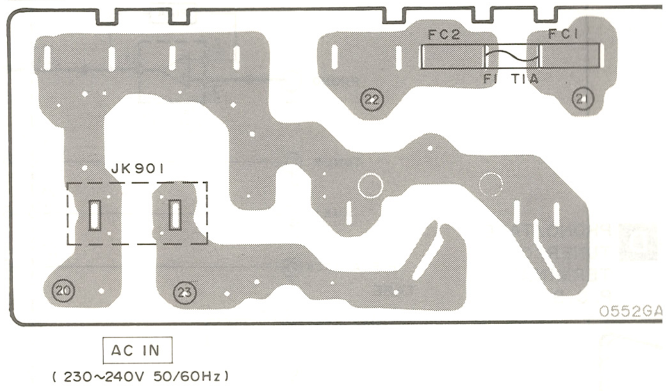

AUX2
AUX1
EXT
OUTPUT
INPUT
JK205
JK206
J207B
J208B
J209B
J209H
IC252
IC251
Q206
Q205
0694A-E


T1(Power transformer)
J701
0552F/G-C
0552F/G-D

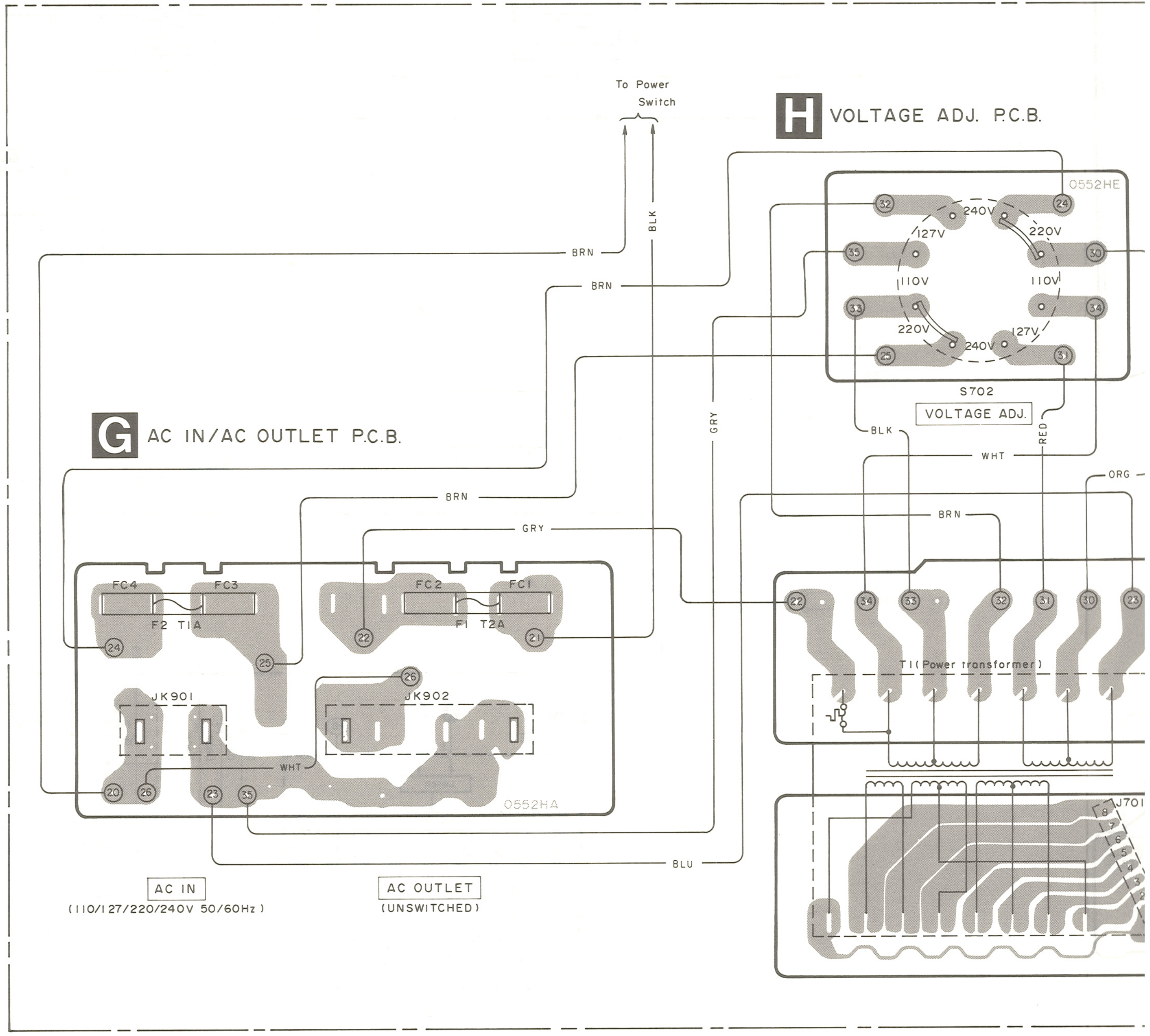
G AC IN/AC OUTLET P.C.B. FOR〔E,EB,EG〕AREAS.


FC4
FC3
FC2
FC1
F2 T1A
F1 T1A
JK901
JK902
0552FA
AC IN
230V……(E, EG)
230~240V…(EB)
50/60Hz
AC OUTLET
(UNSWITCHED)

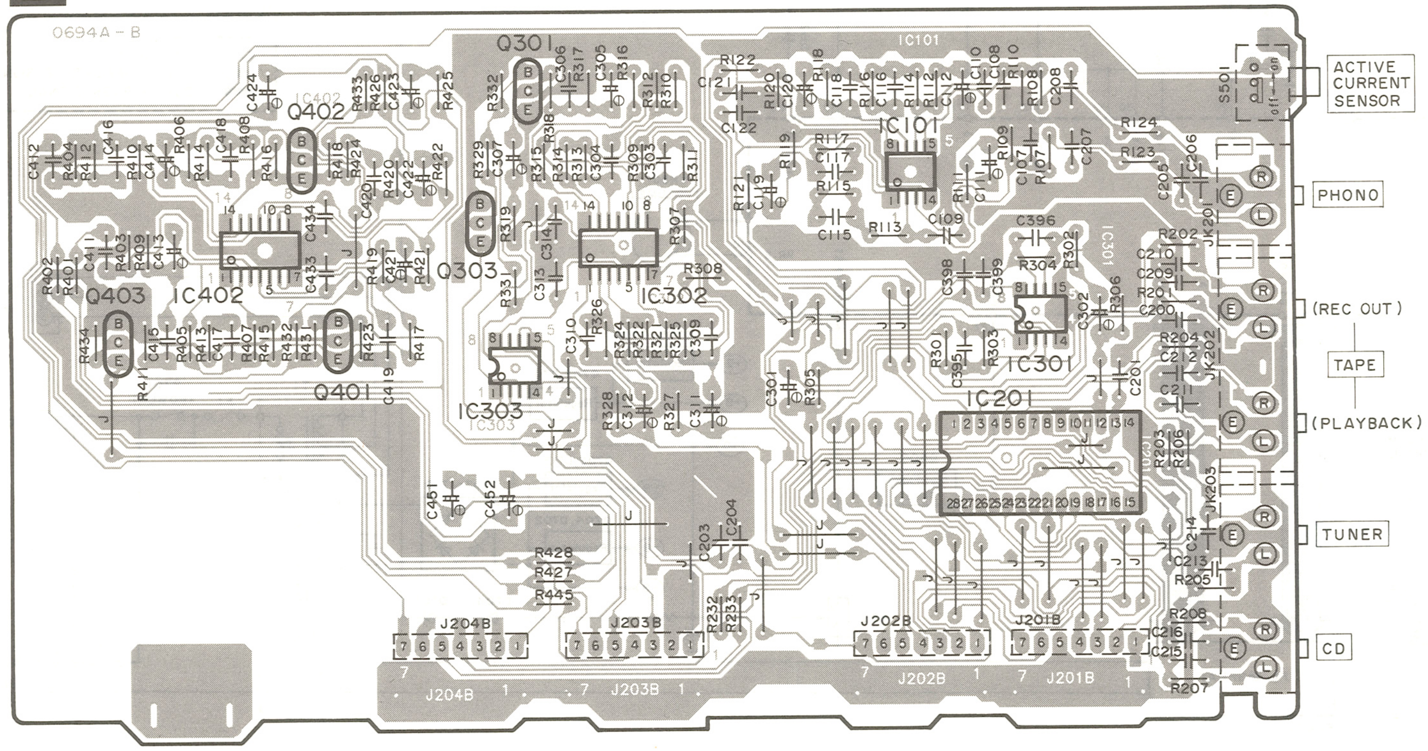
G AC IN/AC OUTLET P.C.B. FOR〔GN〕AREAS.

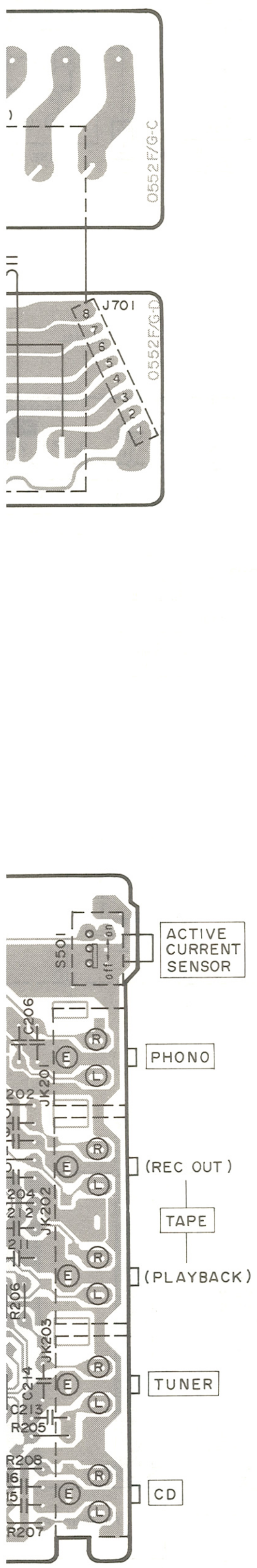

FC2
FC1
F1 T1A
JK901
0552GA
AC IN
(230~240V 50/60Hz)

Power Source P.C.B. For〔GC〕area.

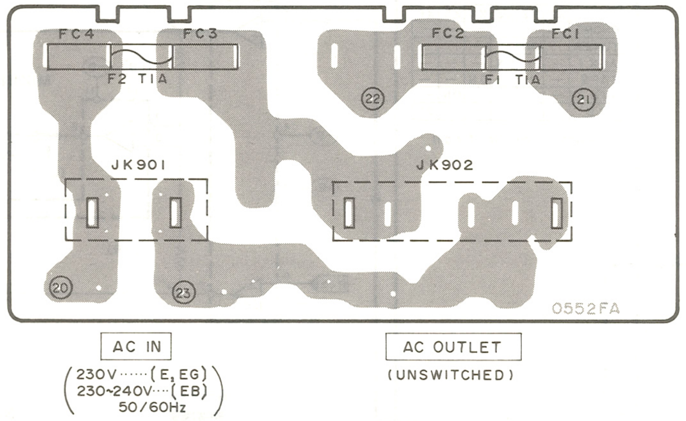

To Power Switch
H VOLTAGE ADJ. P.C.B.
0552HE
240V
127V
220V
110V
110V
220V
127V
240V
S702
VOLTAGE ADJ.
BRN
BRN
BLK
GRY
BLK
WHT
RED
ORG
BRN
BRN
GRY
WHT
BLU
G AC IN/AC OUTLET P.C.B.
FC4
FC3
FC2
FC1
F2 T1A
F1 T2A
JK901
JK902
0552HA
T1(Power transformer)
J701
AC IN
(110/127/220/240V 50/60Hz)
AC OUTLET
(UNSWITCHED)

D PHONO/TAPE/TUNER/CD TERMINAL P.C.B.

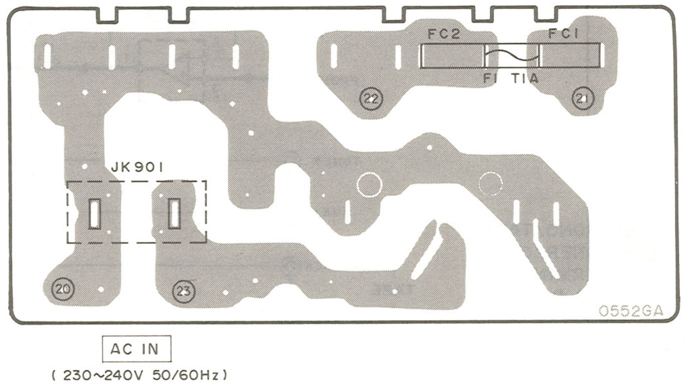

0694A-B
Q301
Q402
Q403
Q401
Q303
IC402
IC101
IC302
IC303
IC301
IC201
J204B
J203B
J202B
J201B
S501
ACTIVE CURRENT SENSOR
PHONO
(REC OUT)
TAPE
(PLAYBACK)
TUNER
CD


0552F/G-C
J701
0552F/G-D
S501
ACTIVE CURRENT SENSOR
C206
JK201
PHONO
(REC OUT)
JK202
TAPE
(PLAYBACK)
R205
JK203
TUNER
C214
R205
R208
CD
R207

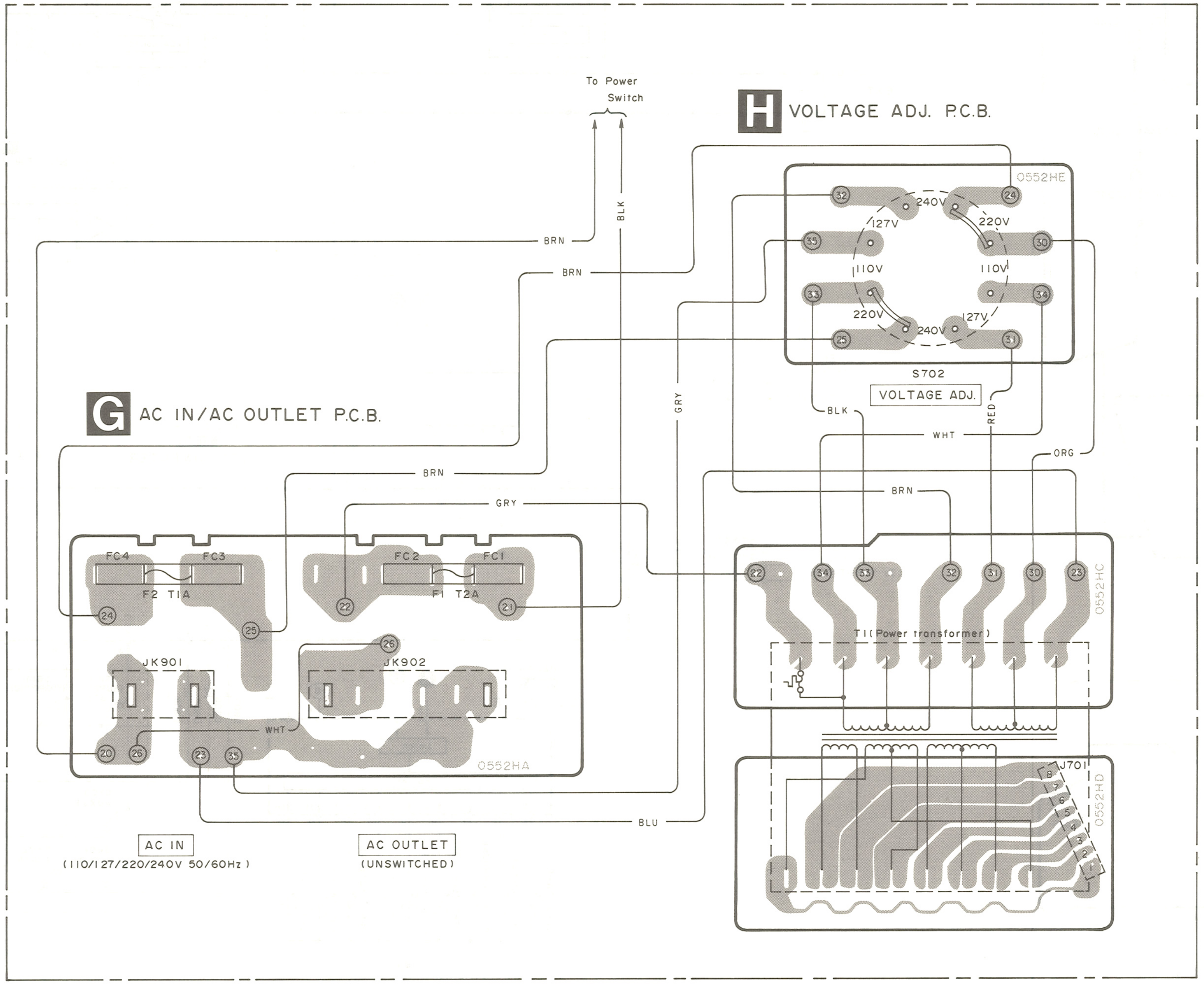
G AC IN/AC OUTLET P.C.B. FOR [E,EB,EG] AREAS.


FC4
FC3
F2 T1A
FC2
FC1
F1 T1A
JK901
JK902
0552FA
AC IN
230V……(E, EG)
230~240V…(EB)
50/60Hz
AC OUTLET
(UNSWITCHED)

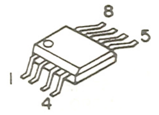
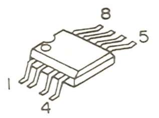
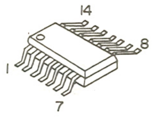
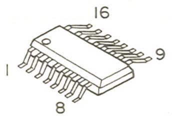
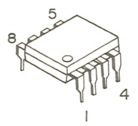
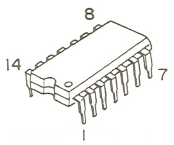
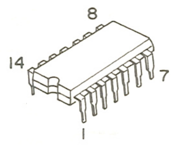
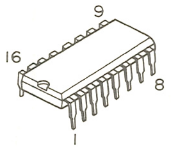
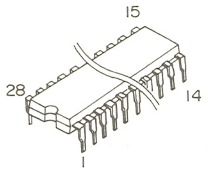
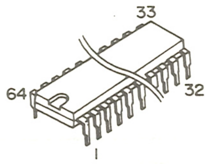
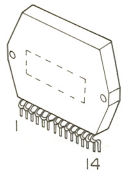
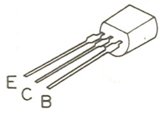
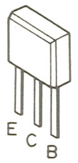
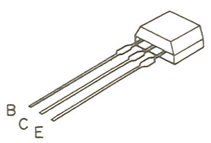
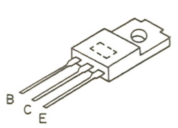
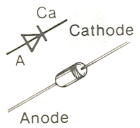
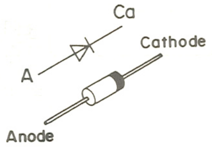
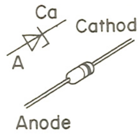
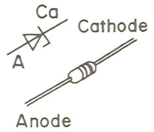
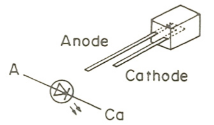
G AC IN/AC OUTLET P.C.B. FOR [GN] AREAS.


FC2
FC1
F1 T1A
JK901
0552GA
AC IN
(230~240V 50/60Hz)

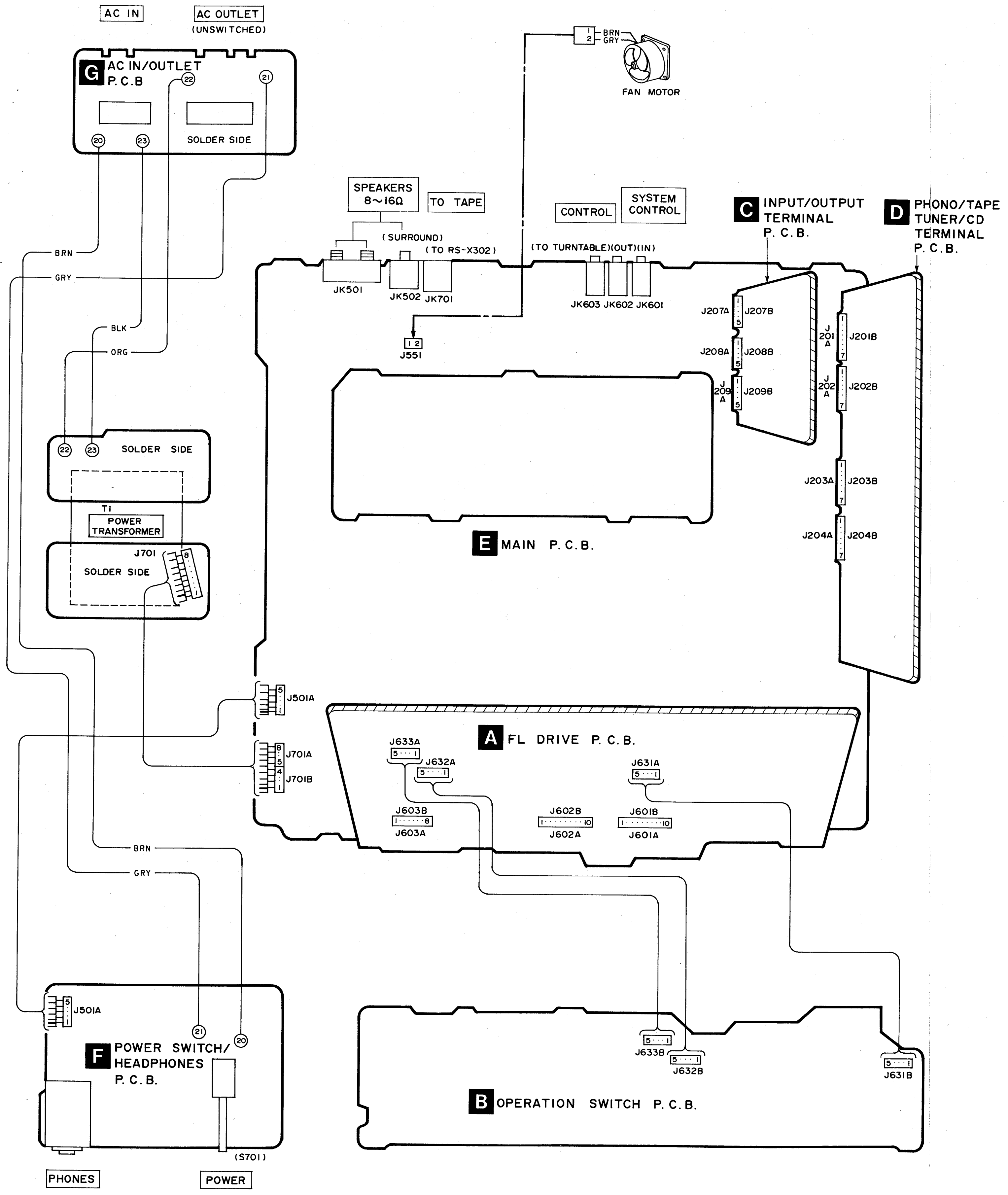
Power Source P.C.B. For [GC] area.


To Power Switch
BRN
BRN
BLK
H VOLTAGE ADJ. P.C.B.
0552HE
240V
127V
220V
110V
110V
220V
240V
127V
S702
VOLTAGE ADJ.
GRY
BLK
RED
WHT
ORG
G AC IN/AC OUTLET P.C.B.
BRN
GRY
BRN
FC4
FC3
F2 T1A
FC2
FC1
F1 T2A
JK901
JK902
WHT
0552HA
T1 (Power transformer)
0552HC
J701
0552HD
BLU
AC IN
(110/127/220/240V 50/60Hz)
AC OUTLET
(UNSWITCHED)

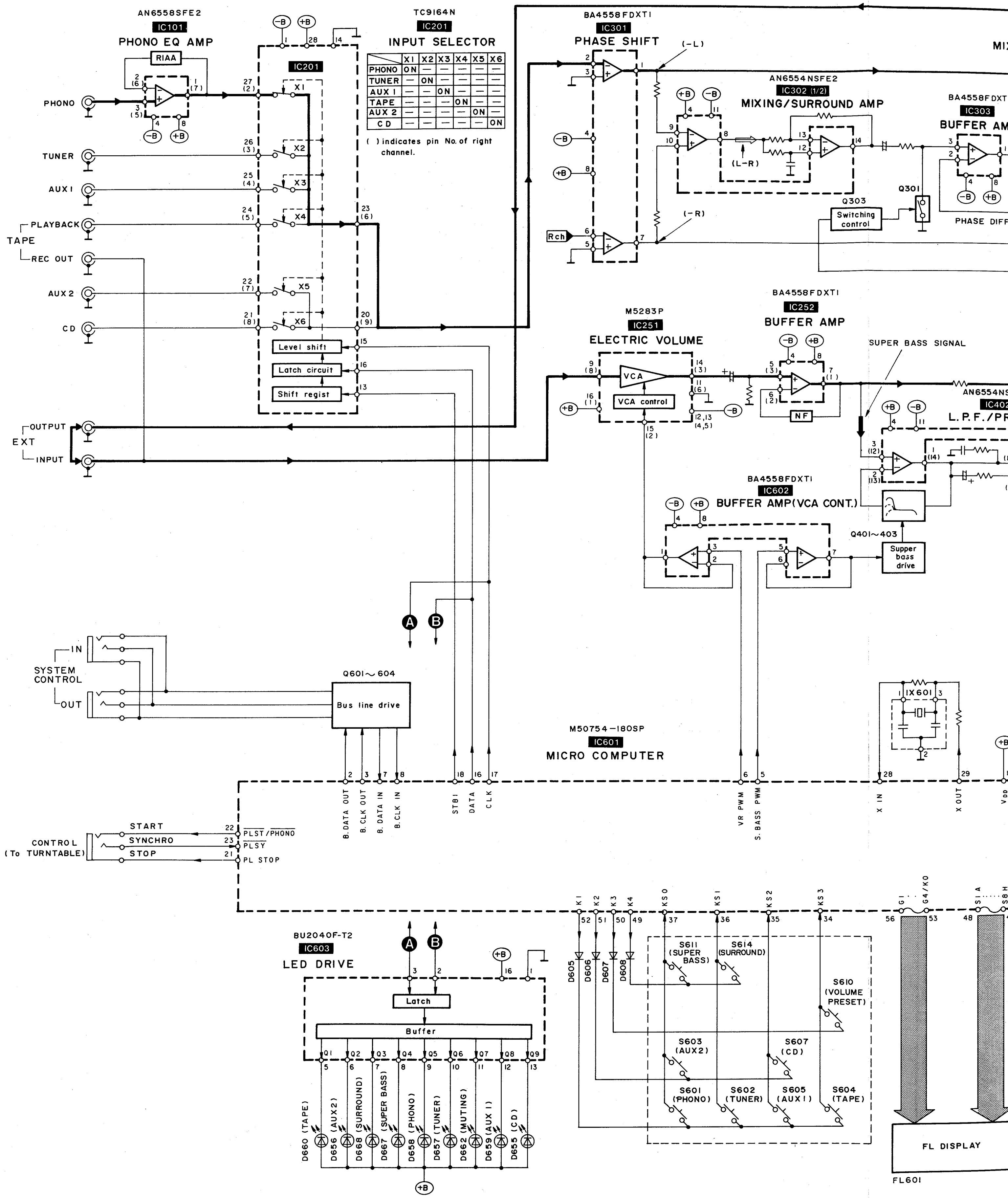
■ TERMINAL GUIDE OF IC'S, TRANSISTOR AND DIODES

AN6558SFE2  	BA4558FDXT1  	AN6554NSFE2  	BU2040F-T2 
M5218AP  	AN6554F  	TC4066B  	M5283P 
TC9164N  	M50754-180SP  	SVI3102C  	2SB621AQRSTA KSD471ACYGTA 
 	2SA1309AQSTA 2SC3311AQSTA 2SC3312RSTA 2SD1450STTA UN4215TA	 	2SD2144STA DTA114ESTP DTC114ESTP DTC144ESTP
2SB1187DEF 2SD1761DEF  	 Ca Cathode A Anode	MA165TA MA167TA MA700TA 1SS291TA	P300DLF  Ca Cathode A Anode
MA4150MTA MA4240MTA  Ca Cathode A Anode	 Ca Cathode A Anode	MA4047MTA MA4051MTA MA4062HTA MA4082MTA	LN873RP-C  Anode A Cathode Ca

■ WIRING CONNECTION DIAGRAM


AC IN
AC OUTLET
(UNSWITCHED)
G AC IN/OUTLET P.C.B
SOLDER SIDE
FAN MOTOR
BRN
GRY
BLK
ORG
SPEAKERS 8～16Ω
TO TAPE
(SURROUND)
(TO RS-X302)
CONTROL
SYSTEM CONTROL
(TO TURNTABLE)(OUT)(IN)
C INPUT/OUTPUT TERMINAL P.C.B.
D PHONO/TAPE TUNER/CD TERMINAL P.C.B.
JK501
JK502
JK701
JK603 JK602 JK601
J551
J207A J207B
J208A J208B
J209A J209B
J201A J201B
J202A J202B
J203A J203B
J204A J204B
E MAIN P.C.B.
T1 POWER TRANSFORMER
J701
J501A
J701A
J701B
A FL DRIVE P.C.B.
J633A
J632A
J631A
J603B
J603A
J602B
J602A
J601B
J601A
F POWER SWITCH/ HEADPHONES P.C.B.
(S701)
PHONES
POWER
B OPERATION SWITCH P.C.B.
J633B
J632B
J631B

■ BLOCK DIAGRAM

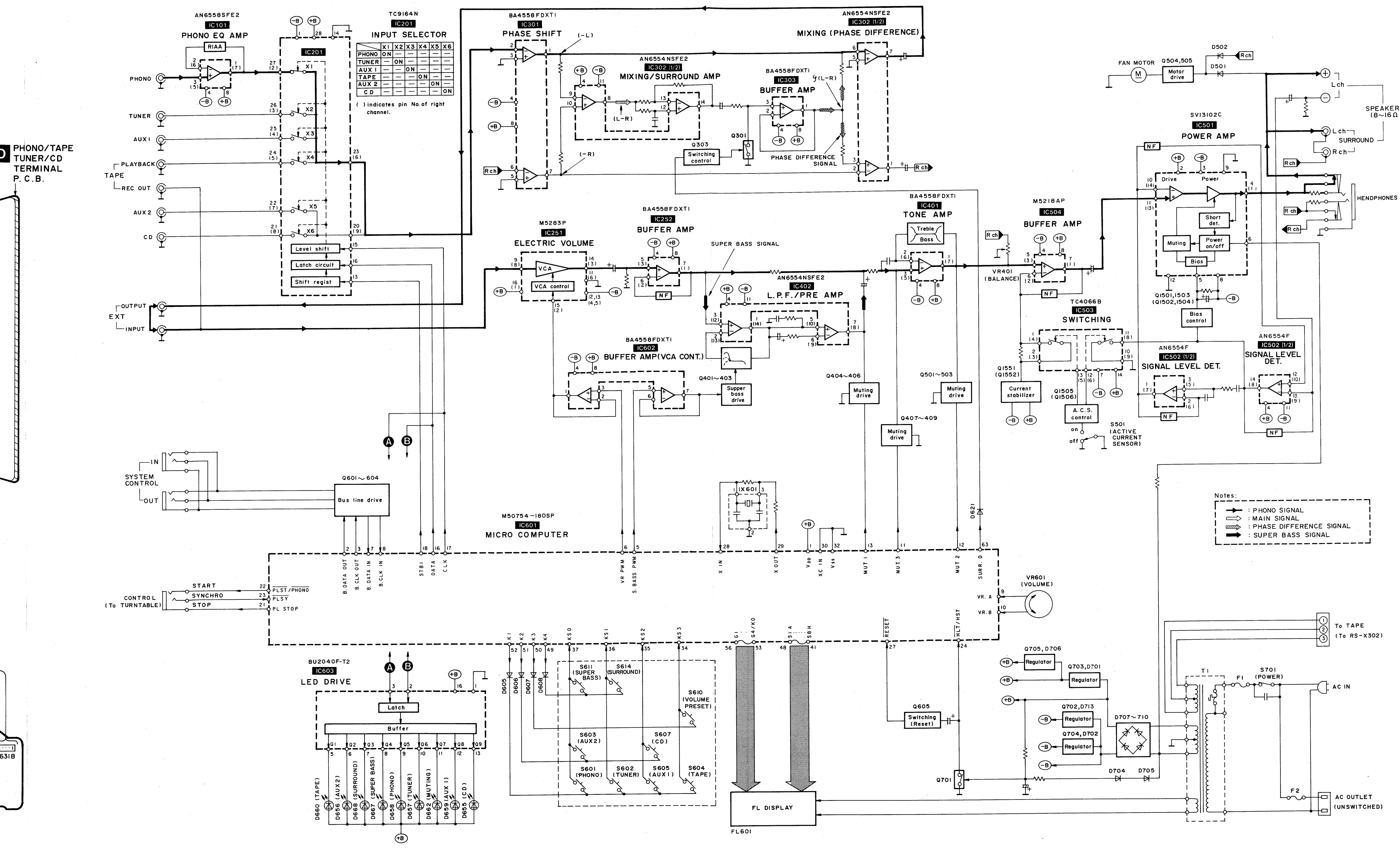

AN6558SFE2
IC101
PHONO EQ AMP
RIAA
PHONO
TUNER
AUX1
TAPE
PLAYBACK
REC OUT
AUX2
CD
EXT
OUTPUT
INPUT
TC9164N
IC201
INPUT SELECTOR
Level shift
Latch circuit
Shift regist
BA4558FDXTI
IC301
PHASE SHIFT
(-L)
(-R)
Rch
AN6554NSFE2
IC302 (1/2)
MIXING/SURROUND AMP
(L-R)
Q303
Switching control
Q301
BA4558FDXT
IC303
BUFFER AM
PHASE DIFF
M5283P
IC251
ELECTRIC VOLUME
VCA
VCA control
BA4558FDXTI
IC252
BUFFER AMP
NF
SUPER BASS SIGNAL
AN6554NS
IC402
L.P.F./PF
BA4558FDXTI
IC602
BUFFER AMP(VCA CONT.)
Q401～403
Supper bass drive
SYSTEM CONTROL
IN
OUT
Q601～604
Bus line drive
M50754-180SP
IC601
MICRO COMPUTER
IX601
B.DATA OUT
B.CLK OUT
B.DATA IN
B.CLK IN
STBI
DATA
CLK
VR PWM
S.BASS PWM
X IN
X OUT
CONTROL (To TURNTABLE)
START
SYNCHRO
STOP
PLST/PHONO
PLSY
PL STOP
BU2040F-T2
IC603
LED DRIVE
Latch
Buffer
D660 (TAPE)
D656 (AUX2)
D668 (SURROUND)
D667 (SUPER BASS)
D658 (PHONO)
D657 (TUNER)
D662 (MUTING)
D659 (AUX1)
D655 (CD)
D605
D606
D607
D608
K1 K2 K3 K4
KS0 KS1 KS2 KS3
S611 (SUPER BASS)
S614 (SURROUND)
S610 (VOLUME PRESET)
S603 (AUX2)
S607 (CD)
S601 (PHONO)
S602 (TUNER)
S605 (AUX1)
S604 (TAPE)
G1 G4/K0
S1A S8H
FL DISPLAY
FL601
(+B)
(-B)

TC9164N
IC201
INPUT SELECTOR

	X1	X2	X3	X4	X5	X6
PHONO	ON	—	—	—	—	—
TUNER	—	ON	—	—	—	—
AUX 1	—	—	ON	—	—	—
TAPE	—	—	—	ON	—	—
AUX 2	—	—	—	—	ON	—
C D	—	—	—	—	—	ON

( ) indicates pin No. of right channel.

■ BLOCK DIAGRAM


PHONO/TAPE
TUNER/CD
TERMINAL
P. C. B.
AN6558SFE2
IC101
PHONO EQ AMP
RIAA
PHONO
TUNER
AUX1
PLAYBACK
TAPE
REC OUT
AUX2
CD
OUTPUT
EXT
INPUT
TC9164N
IC201
INPUT SELECTOR
X1
X2
X3
X4
X5
X6
Level shift
Latch circuit
Shift regist
BA4558FDXT1
IC301
PHASE SHIFT
(−L)
(−R)
Rch
AN6554NSFE2
IC302 (1/2)
MIXING/SURROUND AMP
(L−R)
BA4558FDXT1
IC303
BUFFER AMP
(L−R)
Q301
Q303
Switching control
PHASE DIFFERENCE SIGNAL
AN6554NSFE2
IC302 (1/2)
MIXING (PHASE DIFFERENCE)
Rch
M5283P
IC251
ELECTRIC VOLUME
VCA
VCA control
BA4558FDXT1
IC252
BUFFER AMP
NF
SUPER BASS SIGNAL
AN6554NSFE2
IC402
L.P.F./PRE AMP
BA4558FDXT1
IC602
BUFFER AMP(VCA CONT.)
Q401~403
Supper bass drive
Q404~406
Muting drive
BA4558FDXT1
IC401
TONE AMP
Treble
Bass
Q407~409
Muting drive
Q501~503
Muting drive
VR401
(BALANCE)
M5218AP
IC504
BUFFER AMP
FAN MOTOR
Q504,505
Motor drive
D502
D501
SVI3102C
IC501
POWER AMP
Drive
Power
Short det.
Muting
Power on/off
Bias
Q1501,1503
(Q1502,1504)
Bias control
Lch
SPEAKERS
(8~16Ω)
Lch
SURROUND
Rch
HENDPHONES
TC4066B
IC503
SWITCHING
Q1551
(Q1552)
Current stabilizer
Q1505
(Q1506)
A.C.S. control
S501
(ACTIVE CURRENT SENSOR)
on
off
AN6554F
IC502 (1/2)
SIGNAL LEVEL DET.
AN6554F
IC502 (1/2)
SIGNAL LEVEL DET.
A
B
SYSTEM CONTROL
IN
OUT
Q601~604
Bus line drive
M50754-180SP
IC601
MICRO COMPUTER
IX601
D621
B.DATA OUT
B.CLK OUT
B.DATA IN
B.CLK IN
STB1
DATA
CLK
VR PWM
S.BASS PWM
X IN
X OUT
VDD
XC IN
VSS
MUT 1
MUT 3
MUT 2
SURR. D
CONTROL
(To TURNTABLE)
START
SYNCHRO
STOP
PLST/PHONO
PLSY
PL STOP
VR601
(VOLUME)
VR. A
VR. B
K1
K2
K3
K4
KS0
KS1
KS2
KS3
G1
G4/K0
S1A
S8H
RESET
HLT/HST
BU2040F-T2
IC603
LED DRIVE
Latch
Buffer
D605
D606
D607
D608
S611
(SUPER BASS)
S614
(SURROUND)
S610
(VOLUME PRESET)
S603
(AUX2)
S607
(CD)
S601
(PHONO)
S602
(TUNER)
S605
(AUX1)
S604
(TAPE)
D660 (TAPE)
D656 (AUX2)
D668 (SURROUND)
D667 (SUPER BASS)
D658 (PHONO)
D657 (TUNER)
D662 (MUTING)
D659 (AUX 1)
D655 (CD)
FL DISPLAY
FL601
Q605
Switching (Reset)
Q701
Q705,D706
Regulator
Q703,D701
Regulator
Q702,D713
Regulator
Q704,D702
Regulator
D707~710
D704
D705
T1
F1
S701
(POWER)
AC IN
F2
AC OUTLET
(UNSWITCHED)
To TAPE
(To RS-X302)

TC9164N IC201 INPUT SELECTOR

	X1	X2	X3	X4	X5	X6
PHONO	ON	—	—	—	—	—
TUNER	—	ON	—	—	—	—
AUX 1	—	—	ON	—	—	—
TAPE	—	—	—	ON	—	—
AUX 2	—	—	—	—	ON	—
CD	—	—	—	—	—	ON

( ) indicates pin No. of right channel.

Notes:

- ➔ : PHONO SIGNAL
- ⇨ : MAIN SIGNAL
- ▨ : PHASE DIFFERENCE SIGNAL
- ➡ : SUPER BASS SIGNAL

■ FUNCTIONS OF IC TERMINALS

•IC601 (M50754-180SP: MICRO COMPUTER)

Pin No.	Symbol	I/O	Function Description
1	VDD	—	To be connected to a power supply (+5 V).
2	B.DATA OUT	O	This is the output terminal for the bus data signal.
3	B.CLK OUT	O	This is the output terminal for the bus block signal.
5	S.BASS PWM	O	This is the output terminal for the super bass control signal.
6	VR PWM	O	This terminal outputs the signal for the control of the volume.
7	B.DATA IN	I	This is the input terminal for the bus data signal.
8	B.CLK IN	I	This is the input terminal for the bus clock signal.
9	VR A	I	These are the terminals for the rotary encoder of the volume of VR601.
10	VR B		
11	MUT 3	O	Outputs the −6 dB signal for control of attenuated muting.
12	MUT 2		
13	MUT 1	O	Output the signal for the control of muting.
15	REC M	O	Output the signal for muting the VTR 1 recording.
16	DATA	O	These are output terminal for data and clock signals.
17	CLK		
18	STB 1	O	The serial data inputted into IC201 is latched by the STB pulse and the switch is set to ON according to data.
19	DATA 2	O	These are output terminal for data and clock signals.
20	CLK 2		
21	PLSTOP	I	These are the terminals for sync recording on the player.
22	$\overline{\text{PLST}}$/PHONO	O	
23	$\overline{\text{PLSY}}$	I	
24	$\overline{\text{HLT}}$/.HST	I	This is the terminal for the detection of power supply.
25	KS4	I	This is the key scan terminal.
27	$\overline{\text{RESET}}$	I	This is the input terminal for the reset signal.
28	X IN	I	These are the I/O terminals for the oscillating clock signal.
29	X OUT	O	
34 ≀ 37	KS 3 ≀ KS 0	I	These are the key scan terminals.
41 ≀ 48	S8 ≀ S1	O	There terminals output signals for the control of the FL display.
49 ≀ 56	G5/K4 ≀ G1/K0		
63	SURR.D	O	This is the output terminal for the surround signal.

■ REPLACEMENT PARTS LIST

Notes : * Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	AN6558SFE2	I. C, PHONO EQ AMP	
IC201	TC9164N	I. C, INPUT SELCTOR	
IC251	M5283P	I. C, ATTENUATOR	
IC252	BA4558FDXT1	I. C, BUFFER AMP	
IC301	BA4558FDXT1	I. C, PHASE SHIFT	
IC302	AN6554NSFE2	I. C, MIXING/SURROUND AMP	
IC303	BA4558FDXT1	I. C, BUFFER AMP	
IC401	BA4558FDXT1	I. C, TONE/AMP	
IC402	AN6554NSFE2	I. C, L. P. F/PRE AMP	
IC501	SVI3102C	I. C, POWER AMP	
IC502	AN6554F	I. C, SIGNAL LEVEL DET.	
IC503	TC4066B	I. C, SWITCHING	
IC504	M5218AP	I. C, BUFFER AMP	
IC601	M50754-180SP	I. C, MICRO COMPUTER	
IC602	BA4558FDXT1	I. C, BUFFER AMP	
IC603	BU2040F-T2	I. C, LED DRIVE	
		TRANSISTOR(S)	
Q205	2SC3311A-Q	TRANSISTOR	
Q206	2SA1309A-R	TRANSISTOR	
Q301	2SD2144S	TRANSISTOR	
Q303	DTA114ESTP	TRANSISTOR	
Q401, 402	2SD2144S	TRANSISTOR	
Q403	DTA114ESTP	TRANSISTOR	
Q404	DTA114ESTP	TRANSISTOR	
Q405-408	2SD2144S	TRANSISTOR	
Q409	2SA1309A-R	TRANSISTOR	
Q501, 502	2SD1450STTA	TRANSISTOR	
Q503	2SA1309A-R	TRANSISTOR	
Q504	2SC3311A-Q	TRANSISTOR	
Q505	2SA1309A-R	TRANSISTOR	
Q601	2SC3311A-Q	TRANSISTOR	
Q602	DTC144EKT96	TRANSISTOR	
Q603	2SC3311A-Q	TRANSISTOR	
Q604	DTC144EKT96	TRANSISTOR	
Q605	DTC114ESTP	TRANSISTOR	
Q701	UN4215	TRANSISTOR	
Q702	2SB621A-R	TRANSISTOR	
Q703	2SD1761DEF	TRANSISTOR	
Q704	2SB1187DEF	TRANSISTOR	
Q705	KSD471ACYGTA	TRANSISTOR	
Q1501-1504	2SA1309A-R	TRANSISTOR	
Q1505	DTC114ESTP	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q1506	DTA114ESTP	TRANSISTOR	
Q1551, 1552	2SC3312RSTA	TRANSISTOR	
		DIODE(S)	
D501, 502	MA167	DIODE	
D504	MA4051MTA	DIODE	
D601, 602	MA700	DIODE	
D603	MA4047MTA	DIODE	
D605-608	MA165	DIODE	
D612, 613	MA165	DIODE	
D615	1SS291TA	DIODE	
D617, 618	MA165	DIODE	
D620, 621	MA165	DIODE	
D655-660	LN873RP-C	LED	
D662	LN873RP-C	LED	
D667, 668	LN873RP-C	LED	
D701, 702	MA4150M	DIODE	
D703	MA165	DIODE	
D704, 705	MA167	DIODE	
D706	MA4062-H	DIODE	
D707-710⚠	P300DLF	DIODE	
D713	MA4240H	DIODE	
D1501, 1502	MA4082MTA	DIODE	
		VARIABLE RESISTOR(S)	
VR401	EWHFDAF20G15	V. R	
VR601	EVQWQAF2524B	V. R	
VR1301, 302	EWC2XAF20C15	V. R	
		POWER TRANSFORMER	
T1 ⚠	RTP1M5E007-V	POWER TRANSFORMER	(E, EG)
T1 ⚠	RTP1M5B001-V	POWER TRANSFORMER	(EB, GN)
T1 ⚠	RTP1M5G001-V	POWER TRANSFORMER	(GC)
		COIL(S)	
L501, 502	SLQY07G-40	COIL	
L601	ELEXT100KA9	COIL	
L602, 603	RLQZP101KT-Y	COIL	
		OSCILLATOR(S)	
X601	EF0GC6004T4	CERAMIC FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
		DISPLAY TUBE	
FL601	RSL0074-F	DISPLAY TUBE	
		FUSE (S)	
F1 ⚠	XBA2C10TB0	FUSE	
F1 ⚠	XBA2C20TB0	FUSE	(GC)
F2 ⚠	XBA2C10TB0	FUSE	(E, EB, EG)
		SWITCH(ES)	
S501	RSS2B006-M	SW, ACTIVE CURRENT SENSOR	
S601	EVQ21405R	SW, SPEAKER ON/OFF	
S602	EVQ21405R	SW, TUNER	
S603	EVQ21405R	SW, AUX 2	
S604	EVQ21405R	SW, TAPE	
S605	EVQ21405R	SW, AUX 1	
S607	EVQ21405R	SW, CD	
S610	EVQ21405R	SW, VOLUME PRESET	
S611	EVQ21405R	SW, SUPER BASS	
S614	EVQ21405R	SW, SURROUND	
S701 ⚠	ESB8249V	SW, POWER	
S702 ⚠	ESE37263	SW, VOLTAGE SELECTOR	(GC)
		JACK (S)	
J551	SJT3213	CONNECTOR	
J201A	RJU060G07T	CONNECTOR	
J202A	RJU060G07T	CONNECTOR	
J203A	RJU060G07T	CONNECTOR	
J204A	RJU060G07T	CONNECTOR	
J207A	RJU060G05T	CONNECTOR	
J208A	RJU060G05T	CONNECTOR	
J209A	RJU060G05T	CONNECTOR	
J501A	RJS1A1705	CONNECTOR (5P)	
J601A	RJU003K010M1	SOCKET (10P)	
J602A	RJU003K010M1	SOCKET (10P)	
J603A	RJU003K008M1	SOCKET (8P)	
J631A	SJT30549BB1	CONNECTOR	
J632A	SJT30549BB1	CONNECTOR	
J633A	SJT30549BB1	CONNECTOR	
J701A	RJS1A1704	SOCKET (4P)	
J201B	RJT060B07	CONNECTOR	
J202B	RJT060B07	CONNECTOR	
J203B	RJT060B07	CONNECTOR	
J204B	RJT060B07	CONNECTOR	
J207B	RJT060B05	CONNECTOR	
J208B	RJT060B05	CONNECTOR	
J209B	RJT060B05	CONNECTOR	
J601B	RJT003K010M1	CONNECTOR (10P)	
J602B	RJT003K010M1	CONNECTOR (10P)	

Ref. No.	Part No.	Part Name & Description	Remarks
J603B	RJT003K008M1	CONNECTOR (8P)	
J631B	SJS50581BB	SOCKET (5P)	
J632B	SJS50581BB	SOCKET (5P)	
J633B	SJS50581BB	SOCKET (5P)	
J701B	RJS1A1704	SOCKET (4P)	
		FUSE HOLDER	
FC1	SJT388	FUSE HOLDER	
FC2	SJT388	FUSE HOLDER	
FC3	SJT388	FUSE HOLDER	(E)
FC4	SJT388	FUSE HOLDER	(E)
		JACK (S)	
JK201	SJF3068N	TERMINAL, PHONO	
JK202	SJF3069-5N	TERMINAL, TAPE	
JK203	SJF3069N	TERMINAL, TUNER/CD	
JK205	SJF3069-5N	TERMINAL, AUX 1/2	
JK206	SJF3069N	TERMINAL, EXT OUT/IN	
JK501	RJR0054M	TERMINAL, SPEAKER	
JK502	SJF3068-4N	TERMINAL, SURROUND	
JK504	SJJ145A-1	TERMINAL, HEADPHONES	
JK601	RJJ33T01	SYNCHRO, SYSTEM CONT. IN	
JK602	RJJ33T01	SYNCHRO, SYSTEM CONT. OUT	
JK603	RJJ33T01	SYNCHRO, CONTROL TO TURNTABL	
JK701	RJS1A0203-0	CONNECTOR, TAPE	
JK901 ⚠	SJS9231-1B	AC INLET	(E, EB, EG, GC)
JK901 ⚠	SJS9234B	AC INLET	(GN)
JK902 ⚠	SJS9333B	AC OUTLET	(E, EG)
JK902 ⚠	SJS9332B	AC OUTLET	(EB)
JK902 ⚠	SJS9233B	AC OUTLET	(GC)

Notes : * Capacity valuse are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R107, 108	ERDS2TJ471	1/4W 470
R109, 110	ERDS2TJ473	1/4W 47K
R111, 112	ERDS2TJ331	1/4W 330
R113, 114	ERDS2TJ560T	1/4W 56
R115, 116	ERDS2TJ184T	1/4W 180K
R117, 118	ERDS2TJ123	1/4W 12K
R119, 120	ERDS2TJ224T	1/4W 220K
R121, 122	ERDS2TJ102	1/4W 1K
R123, 124	ERDS2TJ471	1/4W 470
R201, 202	ERDS2TJ472	1/4W 4.7K
R203-206	ERDS2TJ102	1/4W 1K
R207-210	ERDS2TJ822	1/4W 8.2K
R213, 214	ERDS2TJ822	1/4W 8.2K
R215-218	ERDS2TJ102	1/4W 1K
R232, 233	ERDS2TJ272T	1/4W 2.7K
R249	ERDS2TJ103	1/4W 10K
R250	ERDS2TJ223	1/4W 22K
R251, 252	ERDS2TJ473	1/4W 47K
R253, 254	ERDS2TJ183T	1/4W 18K
R255, 256	ERDS2TJ153	1/4W 15K
R257, 258	ERDS2TJ473	1/4W 47K
R271, 272	ERDS2TJ152	1/4W 1.5K
R297, 298	ERDS2TJ182	1/4W 1.8K
R301-304	ERDS2TJ223	1/4W 22K
R305, 306	ERDS2TJ224T	1/4W 220K
R307, 308	ERDS2TJ332	1/4W 3.3K
R309, 310	ERDS2TJ223	1/4W 22K
R311, 312	ERDS2TJ393	1/4W 39K
R313-315	ERDS2TJ223	1/4W 22K
R316	ERDS2TJ622T	1/4W 6.2K
R317	ERDS2TJ562	1/4W 5.6K
R318	ERDS2TJ123	1/4W 12K
R319	ERDS2TJ224T	1/4W 220K
R321, 322	ERDS2TJ332	1/4W 3.3K
R324	ERDS2TJ332	1/4W 3.3K
R325, 326	ERDS2TJ392T	1/4W 3.9K
R327, 328	ERDS2TJ104	1/4W 100K
R329	ERDS2TJ332	1/4W 3.3K
R331	ERDS2TJ105T	1/4W 1M
R332	ERDS2TJ334	1/4W 330K
R401, 402	ERDS2TJ823T	1/4W 82K
R403, 404	ERDS2TJ683	1/4W 68K
R405, 406	ERDS2TJ393	1/4W 39K
R407, 408	ERDS2TJ333	1/4W 33K
R409, 410	ERDS2TJ103	1/4W 10K
R411, 412	ERDS2TJ332	1/4W 3.3K

Ref. No.	Part No.	Values & Remarks
R413, 414	ERDS2TJ153	1/4W 15K
R415, 416	ERDS2TJ222	1/4W 2.2K
R417, 418	ERDS2TJ221	1/4W 220
R419, 420	ERDS2TJ273	1/4W 27K
R421, 422	ERDS2TJ470	1/4W 47
R423, 424	ERDS2TJ153	1/4W 15K
R425-428	ERDS2TJ152	1/4W 1.5K
R429, 430	ERDS2TJ333	1/4W 33K
R431, 432	ERDS2TJ102	1/4W 1K
R433	ERDS2TJ105T	1/4W 1M
R434	ERDS2TJ334	1/4W 330K
R435, 436	ERDS2TJ102	1/4W 1K
R437	ERDS2TJ105T	1/4W 1M
R438	ERDS2TJ334	1/4W 330K
R439, 440	ERDS2TJ152	1/4W 1.5K
R441, 442	ERDS2TJ222	1/4W 2.2K
R443, 444	ERDS2TJ102	1/4W 1K
R445	ERDS2TJ222	1/4W 2.2K
R446	ERDS2TJ104	1/4W 100K
R447	ERDS2TJ334	1/4W 330K
R448	ERDS2TJ105T	1/4W 1M
R449	ERDS2TJ332	1/4W 3.3K
R450	ERDS2TJ103	1/4W 10K
R471-474	ERDS2TJ334	1/4W 330K
R477, 478	ERDS2TJ102	1/4W 1K
R500	ERDS2TJ100	1/4W 10
R501	ERDS2TJ104	1/4W 100K
R502	ERDS2TJ105T	1/4W 1M
R507, 508	ERDS2TJ222	1/4W 2.2K
R509, 510	ERDS2TJ563	1/4W 56K
R511, 512	ERDS2TJ182	1/4W 1.8K
R513, 514	ERDS2TJ563	1/4W 56K
R515, 516	ERDS2TJ223	1/4W 22K
R517	ERDS2TJ563	1/4W 56K
R518	ERDS2TJ684	1/4W 680K
R519	ERDS2TJ154	1/4W 150K
R520	ERDS2TJ153	1/4W 15K
R521	ERDS2TJ103	1/4W 10K
R522	ERDS1FVJ680T	1/2W 68 ⚠
R524	ERDS2TJ105T	1/4W 1M
R525, 526	ERD25FVJ100T	1/4W 10 ⚠
R527, 528	ERDS1FVJ100T	1/2W 10 ⚠
R531, 532	ERG2SJ331P	2W 330
R533, 534	ERDS2TJ562	1/4W 5.6K
R535-538	ERDS2TJ472	1/4W 4.7K
R539	ERDS2TJ102	1/4W 1K
R540	ERDS2TJ334	1/4W 330K
R542	ERDS2TJ103	1/4W 10K
R543	ERDS1FVJ560T	1/2W 56 ⚠

Ref. No.	Part No.	Values & Remarks
R550	ERDS2TJ102	1/4W 1K
R551	ERDS2TJ104	1/4W 100K
R554	ERD25FJ470	1/4W 47 ⚠
R601	ERDS2TJ223	1/4W 22K
R602-604	ERDS2TJ393	1/4W 39K
R605	ERDS2TJ223	1/4W 22K
R606-608	ERDS2TJ393	1/4W 39K
R609-612	ERDS2TJ100	1/4W 10
R613	ERDS2TJ120T	1/4W 12
R614	ERDS2TJ150T	1/4W 15
R615, 616	ERDS2TJ151	1/4W 150
R617-620	ERDS2TJ104	1/4W 100K
R621, 622	ERDS2TJ103	1/4W 10K
R623	ERDS2TJ222	1/4W 2.2K
R624	ERDS2TJ332	1/4W 3.3K
R625	ERDS2TJ103	1/4W 10K
R626	ERDS2TJ332	1/4W 3.3K
R627	ERDS2TJ222	1/4W 2.2K
R628	ERDS2TJ332	1/4W 3.3K
R629	ERDS2TJ103	1/4W 10K
R630	ERDS2TJ102	1/4W 1K
R631	ERDS2TJ103	1/4W 10K
R632	ERDS2TJ222	1/4W 2.2K
R633	ERDS2TJ103	1/4W 10K
R634	ERDS2TJ822	1/4W 8.2K
R635	ERDS2TJ393	1/4W 39K
R636	ERDS2TJ332	1/4W 3.3K
R637	ERDS2TJ103	1/4W 10K
R638	ERDS2TJ104	1/4W 100K
R639	ERDS2TJ105T	1/4W 1M
R640	ERDS2TJ102	1/4W 1K
R641	ERDS2TJ223	1/4W 22K
R642	ERDS2TJ103	1/4W 10K
R643	ERDS2TJ105T	1/4W 1M
R646	ERDS2TJ223	1/4W 22K
R653-655	ERDS2TJ331	1/4W 330
R659	ERDS2TJ272T	1/4W 2.7K
R661	ERDS2TJ331	1/4W 330
R662	ERDS2TJ101	1/4W 100
R697-699	ERDS2TJ101	1/4W 100
R701, 702	ERDS1FVJ332T	1/2W 3.3K ⚠
R703	ERD25FJ101	1/4W 100 ⚠
R704	ERDS2TJ473	1/4W 47K
R705	ERDS2TJ103	1/4W 10K
R706	ERDS1FVJ2R2T	1/2W 2.2 ⚠
R707	ERDS1FVJ3R3T	1/2W 3.3 ⚠
R709	ERDS2TJ332	1/4W 3.3K
R710	ERDS1FVJ331T	1/2W 330 ⚠
R711	ERDS2TJ102	1/4W 1K

Ref. N
R713
R718
R727
R1301, 13
R1303, 13
R1305, 13
R1307, 13
R1309, 13
R1311, 13
R1313, 13
R1501, 15
R1503, 15
R1505, 15
R1507, 15
R1509-15
R1513-15
R1517, 15
R1519, 15
R1521-15
R1527, 15
R1529, 15
R1531, 15
R1533, 15
R1535, 15
R1537, 15
R1539
R1540
R1541, 15
R1551, 15
R1553, 15
R1555, 15
R1557, 15
R1559, 15
R1561-15
R1565, 15
R1567, 15
C107, 108
C109, 110
C111, 112
C115, 116
C117, 118
C119, 120
C121, 122
C200
C201
C203, 204
C205, 206
C207, 208
C209-216

Remarks
)
)
, EB, EG, GC)
N)
, EG)
B)
C)

Notes : * Capacity valuse are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R107, 108	ERDS2TJ471	1/4W 470
R109, 110	ERDS2TJ473	1/4W 47K
R111, 112	ERDS2TJ331	1/4W 330
R113, 114	ERDS2TJ560T	1/4W 56
R115, 116	ERDS2TJ184T	1/4W 180K
R117, 118	ERDS2TJ123	1/4W 12K
R119, 120	ERDS2TJ224T	1/4W 220K
R121, 122	ERDS2TJ102	1/4W 1K
R123, 124	ERDS2TJ471	1/4W 470
R201, 202	ERDS2TJ472	1/4W 4.7K
R203-206	ERDS2TJ102	1/4W 1K
R207-210	ERDS2TJ822	1/4W 8.2K
R213, 214	ERDS2TJ822	1/4W 8.2K
R215-218	ERDS2TJ102	1/4W 1K
R232, 233	ERDS2TJ272T	1/4W 2.7K
R249	ERDS2TJ103	1/4W 10K
R250	ERDS2TJ223	1/4W 22K
R251, 252	ERDS2TJ473	1/4W 47K
R253, 254	ERDS2TJ183T	1/4W 18K
R255, 256	ERDS2TJ153	1/4W 15K
R257, 258	ERDS2TJ473	1/4W 47K
R271, 272	ERDS2TJ152	1/4W 1.5K
R297, 298	ERDS2TJ182	1/4W 1.8K
R301-304	ERDS2TJ223	1/4W 22K
R305, 306	ERDS2TJ224T	1/4W 220K
R307, 308	ERDS2TJ332	1/4W 3.3K
R309, 310	ERDS2TJ223	1/4W 22K
R311, 312	ERDS2TJ393	1/4W 39K
R313-315	ERDS2TJ223	1/4W 22K
R316	ERDS2TJ622T	1/4W 6.2K
R317	ERDS2TJ562	1/4W 5.6K
R318	ERDS2TJ123	1/4W 12K
R319	ERDS2TJ224T	1/4W 220K
R321, 322	ERDS2TJ332	1/4W 3.3K
R324	ERDS2TJ332	1/4W 3.3K
R325, 326	ERDS2TJ392T	1/4W 3.9K
R327, 328	ERDS2TJ104	1/4W 100K
R329	ERDS2TJ332	1/4W 3.3K
R331	ERDS2TJ105T	1/4W 1M
R332	ERDS2TJ334	1/4W 330K
R401, 402	ERDS2TJ823T	1/4W 82K
R403, 404	ERDS2TJ683	1/4W 68K
R405, 406	ERDS2TJ393	1/4W 39K
R407, 408	ERDS2TJ333	1/4W 33K
R409, 410	ERDS2TJ103	1/4W 10K
R411, 412	ERDS2TJ332	1/4W 3.3K

Ref. No.	Part No.	Values & Remarks
R413, 414	ERDS2TJ153	1/4W 15K
R415, 416	ERDS2TJ222	1/4W 2.2K
R417, 418	ERDS2TJ221	1/4W 220
R419, 420	ERDS2TJ273	1/4W 27K
R421, 422	ERDS2TJ470	1/4W 47
R423, 424	ERDS2TJ153	1/4W 15K
R425-428	ERDS2TJ152	1/4W 1.5K
R429, 430	ERDS2TJ333	1/4W 33K
R431, 432	ERDS2TJ102	1/4W 1K
R433	ERDS2TJ105T	1/4W 1M
R434	ERDS2TJ334	1/4W 330K
R435, 436	ERDS2TJ102	1/4W 1K
R437	ERDS2TJ105T	1/4W 1M
R438	ERDS2TJ334	1/4W 330K
R439, 440	ERDS2TJ152	1/4W 1.5K
R441, 442	ERDS2TJ222	1/4W 2.2K
R443, 444	ERDS2TJ102	1/4W 1K
R445	ERDS2TJ222	1/4W 2.2K
R446	ERDS2TJ104	1/4W 100K
R447	ERDS2TJ334	1/4W 330K
R448	ERDS2TJ105T	1/4W 1M
R449	ERDS2TJ332	1/4W 3.3K
R450	ERDS2TJ103	1/4W 10K
R471-474	ERDS2TJ334	1/4W 330K
R477, 478	ERDS2TJ102	1/4W 1K
R500	ERDS2TJ100	1/4W 10
R501	ERDS2TJ104	1/4W 100K
R502	ERDS2TJ105T	1/4W 1M
R507, 508	ERDS2TJ222	1/4W 2.2K
R509, 510	ERDS2TJ563	1/4W 56K
R511, 512	ERDS2TJ182	1/4W 1.8K
R513, 514	ERDS2TJ563	1/4W 56K
R515, 516	ERDS2TJ223	1/4W 22K
R517	ERDS2TJ563	1/4W 56K
R518	ERDS2TJ684	1/4W 680K
R519	ERDS2TJ154	1/4W 150K
R520	ERDS2TJ153	1/4W 15K
R521	ERDS2TJ103	1/4W 10K
R522	ERDS1FVJ680T	1/2W 68 ⚠
R524	ERDS2TJ105T	1/4W 1M
R525, 526	ERD25FVJ100T	1/4W 10 ⚠
R527, 528	ERDS1FVJ100T	1/2W 10 ⚠
R531, 532	ERG2SJ331P	2W 330
R533, 534	ERDS2TJ562	1/4W 5.6K
R535-538	ERDS2TJ472	1/4W 4.7K
R539	ERDS2TJ102	1/4W 1K
R540	ERDS2TJ334	1/4W 330K
R542	ERDS2TJ103	1/4W 10K
R543	ERDS1FVJ560T	1/2W 56 ⚠

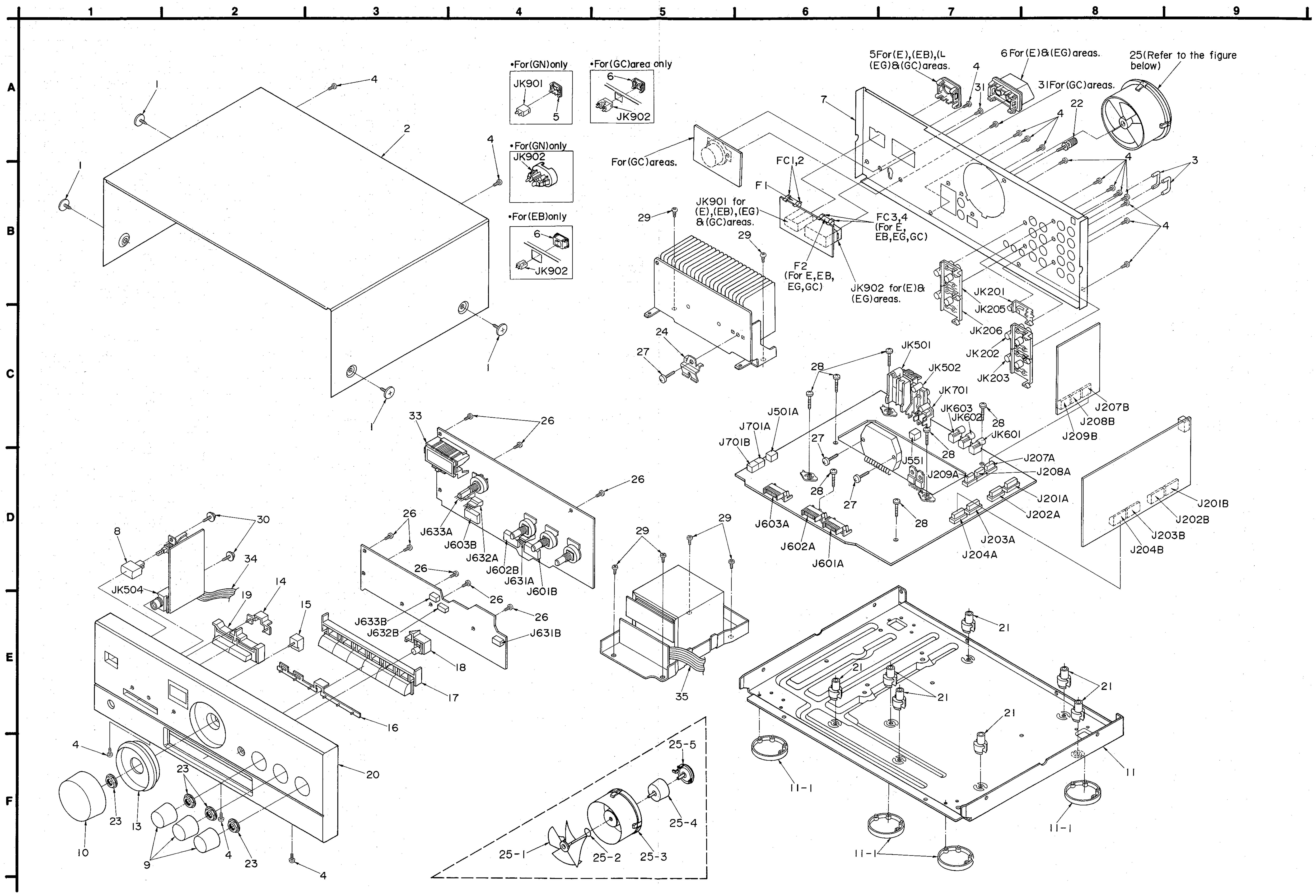
Ref. No.	Part No.	Values & Remarks
R550	ERDS2TJ102	1/4W 1K
R551	ERDS2TJ104	1/4W 100K
R554	ERD25FJ470	1/4W 47 ⚠
R601	ERDS2TJ223	1/4W 22K
R602-604	ERDS2TJ393	1/4W 39K
R605	ERDS2TJ223	1/4W 22K
R606-608	ERDS2TJ393	1/4W 39K
R609-612	ERDS2TJ100	1/4W 10
R613	ERDS2TJ120T	1/4W 12
R614	ERDS2TJ150T	1/4W 15
R615, 616	ERDS2TJ151	1/4W 150
R617-620	ERDS2TJ104	1/4W 100K
R621, 622	ERDS2TJ103	1/4W 10K
R623	ERDS2TJ222	1/4W 2.2K
R624	ERDS2TJ332	1/4W 3.3K
R625	ERDS2TJ103	1/4W 10K
R626	ERDS2TJ332	1/4W 3.3K
R627	ERDS2TJ222	1/4W 2.2K
R628	ERDS2TJ332	1/4W 3.3K
R629	ERDS2TJ103	1/4W 10K
R630	ERDS2TJ102	1/4W 1K
R631	ERDS2TJ103	1/4W 10K
R632	ERDS2TJ222	1/4W 2.2K
R633	ERDS2TJ103	1/4W 10K
R634	ERDS2TJ822	1/4W 8.2K
R635	ERDS2TJ393	1/4W 39K
R636	ERDS2TJ332	1/4W 3.3K
R637	ERDS2TJ103	1/4W 10K
R638	ERDS2TJ104	1/4W 100K
R639	ERDS2TJ105T	1/4W 1M
R640	ERDS2TJ102	1/4W 1K
R641	ERDS2TJ223	1/4W 22K
R642	ERDS2TJ103	1/4W 10K
R643	ERDS2TJ105T	1/4W 1M
R646	ERDS2TJ223	1/4W 22K
R653-655	ERDS2TJ331	1/4W 330
R659	ERDS2TJ272T	1/4W 2.7K
R661	ERDS2TJ331	1/4W 330
R662	ERDS2TJ101	1/4W 100
R697-699	ERDS2TJ101	1/4W 100
R701, 702	ERDS1FVJ332T	1/2W 3.3K ⚠
R703	ERD25FJ101	1/4W 100 ⚠
R704	ERDS2TJ473	1/4W 47K
R705	ERDS2TJ103	1/4W 10K
R706	ERDS1FVJ2R2T	1/2W 2.2 ⚠
R707	ERDS1FVJ3R3T	1/2W 3.3 ⚠
R709	ERDS2TJ332	1/4W 3.3K
R710	ERDS1FVJ331T	1/2W 330 ⚠
R711	ERDS2TJ102	1/4W 1K

Ref. No.	Part No.	Values & Remarks
R713	ERDS2TJ2R2T	1/4W 2.2
R718	ERDS1FVJ820T	1/2W 82 ⚠
R727	ERDS2TJ104	1/4W 100K
R1301, 1302	ERDS2TJ102	1/4W 1K
R1303, 1304	ERDS2TJ822	1/4W 8.2K
R1305, 1306	ERDS2TJ223	1/4W 22K
R1307, 1308	ERDS2TJ392T	1/4W 3.9K
R1309, 1310	ERDS2TJ182	1/4W 1.8K
R1311, 1312	ERDS2TJ821	1/4W 820
R1313, 1314	ERDS2TJ333	1/4W 33K
R1501, 1502	ERDS2TJ123	1/4W 12K
R1503, 1504	ERDS2TJ103	1/4W 10K
R1505, 1506	ERDS2TJ101	1/4W 100
R1507, 1508	RREEMKR10VC	2W 0.1
R1509-1512	ERDS2TJ103	1/4W 10K
R1513-1516	ERDS2TJ104	1/4W 100K
R1517, 1518	ERDS2TJ472	1/4W 4.7K
R1519, 1520	ERDS2TJ272T	1/4W 2.7K
R1521-1526	ERDS2TJ563	1/4W 56K
R1527, 1528	ERDS2TJ103	1/4W 10K
R1529, 1530	ERDS2TJ392T	1/4W 3.9K
R1531, 1532	ERDS2TJ223	1/4W 22K
R1533, 1534	ERDS2TJ472	1/4W 4.7K
R1535, 1536	ERDS2TJ223	1/4W 22K
R1537, 1538	ERDS2TJ103	1/4W 10K
R1539	ERDS2TJ333	1/4W 33K
R1540	ERDS2TJ102	1/4W 1K
R1541, 1542	ERDS2TJ752T	1/4W 7.5K
R1551, 1552	ERDS2TJ223	1/4W 22K
R1553, 1554	ERDS2TJ103	1/4W 10K
R1555, 1556	ERDS2TJ562	1/4W 5.6K
R1557, 1558	ERDS2TJ103	1/4W 10K
R1559, 1560	ERDS2TJ273	1/4W 27K
R1561-1564	ERDS2TJ102	1/4W 1K
R1565, 1566	ERDS2TJ123	1/4W 12K
R1567, 1568	ERDS2TJ683	1/4W 68K
		CAPACITORS
C107, 108	ECBT1H101KB5	50V 100P
C109, 110	ECBT1H102KB5	50V 1000P
C111, 112	ECA1EAP330B	25V 33P
C115, 116	ECFR1E223KR	25V 0.022U
C117, 118	ECFR1E682KR	25V 6800P
C119, 120	ECA1HAP010B	50V 1U
C121, 122	ECBT1E103ZF	25V 0.01U
C200	ECBT1E223ZF	25V 0.022U
C201	ECBT1H470J5	50V 47P
C203, 204	ECBT1E103ZF	25V 0.01U
C205, 206	ECBT1H180J5	50V 18P
C207, 208	ECBT1H151KB5	50V 150P
C209-216	ECBT1H101KB5	50V 100P

Ref. No.	Part No.	Values & Remarks
C221-226	ECBT1H101KB5	50V 100P
C229, 230	ECBT1H101KB5	50V 100P
C231, 232	ECBT1E103ZF	25V 0.01U
C250	ECEA1CKA220B	16V 22U
C251, 252	ECEA1HKA3R3B	50V 3.3U
C253, 254	ECEA1HKAR47B	50V 0.47U
C255, 256	ECBT1H180J5	50V 18P
C258	ECBT1E223ZF	25V 0.022U
C271, 272	ECBT1H101KB5	50V 100P
C273, 274	ECEA1CKA220B	16V 22U
C297, 298	ECBT1H151KB5	50V 150P
C301, 302	ECA1HAP3R3B	50V 3.3U
C303	ECBT1H680J5	50V 68P
C304	ECQV1H823JZ	50V 0.082U
C305	ECEA1HKA3R3B	50V 3.3U
C306	ECBT1H221KB5	50V 220P
C307	ECEA1HKA3R3B	50V 3.3U
C309, 310	ECBT1H820KB5	50V 82P
C311, 312	ECA1HAP3R3B	50V 3.3U
C313, 314	ECBT1E103ZF	25V 0.01U
C395, 396	ECBT1H120J5	50V 12P
C398, 399	ECBT1E103ZF	25V 0.01U
C411, 412	ECFR1E123KR	25V 0.012U
C413, 414	ECEA1HKAR22B	50V 0.22U
C415, 416	ECFR1E682KR	25V 6800P
C417, 418	ECFR1E272KR	25V 2700P
C419, 420	ECFR1E333KR	25V 0.033U
C421, 422	ECEA1HKA3R3B	50V 3.3U
C423, 424	ECA1HAP100B	50V 10U
C427	ECEA0JKA470B	6.3V 47U
C432	ECEA1CKA100B	16V 10U
C433, 434	ECBT1E103ZF	25V 0.01U
C451, 452	ECEA1CKA220B	16V 22U
C471, 472	ECA1HAP3R3B	50V 3.3U
C473, 474	ECBT1H101KB5	50V 100P
C475, 476	ECBT1H821KB5	50V 820P
C477, 478	ECBT1H680J5	50V 68P
C479, 480	ECEA1HKA3R3B	50V 3.3U
C483, 484	ECBT1E103ZF	25V 0.01U
C501, 502	ECBT1H331KB5	50V 330P
C503, 504	ECBT1H151KB5	50V 150P
C505, 506	ECA1HAP2R2B	50V 2.2U
C507, 508	ECBT1H6R8K5	50V 6.8P
C509, 510	ECKT1H223ZF	50V 0.022U
C513	ECEA1CKA100B	16V 10U
C514	ECEA0JKA470B	6.3V 47U
C516-518	ECBT1E103ZF	25V 0.01U
C519	ECA1HAP330B	50V 33U
C520	ECA2AAP100B	100V 10U
C523, 524	ECA1HAP3R3B	50V 3.3U
C525, 526	ECBT1H331KB5	50V 330P
C535, 536	ECBT1E223ZF	25V 0.022U

Ref. No.	Part No.	Values & Remarks
C537, 538	ECBT1H102KB5	50V 1000P
C543, 544	ECBT1H102KB5	50V 1000P
C597, 598	ECBT1H102KB5	50V 1000P
C601	ECBT1E103ZF	25V 0.01U
C602	ECEA0JU102	6.3V 1000U
C603	ECEA1HKA3R3B	50V 3.3U
C604	ECEA1VKA100B	35V 10U
C605	ECBT1E103ZF	25V 0.01U
C606, 607	ECEA1HKA010B	50V 1U
C608	ECBT1H101KB5	50V 100P
C651	ECBT1H104ZF5	50V 0.1U
C653	ECBT1H470J5	50V 47P
C700	ECKWNS103ZV	500V 0.01U ⚠
C701	ECBT1H102KB5	50V 1000P
C702	ECKR1H103ZF5	50V 0.01U
C703, 704	ECEA1EKA100B	25V 10U
C705, 706	ECEA1CKA100B	16V 10U
C707	ECBT1E103ZF	25V 0.01U
C708	ECEA1CKA100B	16V 10U
C709	ECEA1HKA2R2B	50V 2.2U
C710	ECBT1E223ZF	25V 0.022U
C711, 712	ECEA1HU332UB	50V 3300U
C713	ECQE1104KF3	100V 0.1U
C715	ECEA1VKA100B	35V 10U
C731	ECFR1E104ZF5	25V 0.1U
C1301, 1302	ECFR1E123KR	25V 0.012U
C1303, 1304	ECFR1E683KR	25V 0.068U
C1305, 1306	ECFR1E472KR	25V 4700P
C1307, 1308	ECFR1E223KR	25V 0.022U
C1309, 1310	ECA1HAP010B	50V 1U
C1501-1504	ECEA1HKA2R2B	50V 2.2U
C1505, 1506	ECFR1E223KR	25V 0.022U
C1507, 1508	ECBT1H820KB5	50V 82P
C1509-1512	ECFR1E104KR	25V 0.1U
C1513, 1514	ECBT1H331KB5	50V 330P
C1515, 1516	ECBT1C103MS5	16V 0.01U
C1517, 1518	ECBT1E103ZF	25V 0.01U
C1521A	ECA1HAP2R2B	50V 2.2U
C1521	ECBT1H102KB5	50V 1000P
C1522A	ECA1HAP2R2B	50V 2.2U
C1522	ECBT1H102KB5	50V 1000P
C1551, 1552	ECA1HAP3R3B	50V 3.3U
C1553, 1554	ECBT1H151KB5	50V 150P
C1555, 1556	ECEA1HKA2R2B	50V 2.2U
C1557, 1558	ECQV1H124JZ3	50V 0.12U
C1559, 1560	ECBT1E103ZF	25V 0.01U

■ CABINET PARTS LOCATION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6
7
8
9
A
B
C
D
E
F
•For(GN)only
JK901
5
•For(GC)area only
6
JK902
•For(GN)only
JK902
•For(EB)only
6
JK902
For(GC)areas.
5For(E),(EB),(L
(EG)&(GC)areas.
6 For(E)&(EG)areas.
31For(GC)areas.
25(Refer to the figure below)
22
FC1,2
F1
JK901 for (E),(EB),(EG) & (GC)areas.
FC3,4 (For E, EB,EG,GC)
F2 (For E,EB, EG,GC)
JK902 for(E)& (EG)areas.
JK201
JK205
JK206
JK202
JK203
JK501
JK502
JK701
JK603
JK602
JK601
J501A
J701A
J701B
J551
J209A
J207A
J208A
J201A
J202A
J203A
J204A
J603A
J602A
J601A
J207B
J208B
J209B
J201B
J202B
J203B
J204B
24
27
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29
33
26
J633A
J603B
J632A
J602B
J631A
J601B
J633B
J632B
J631B
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34
JK504
19
14
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16
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13
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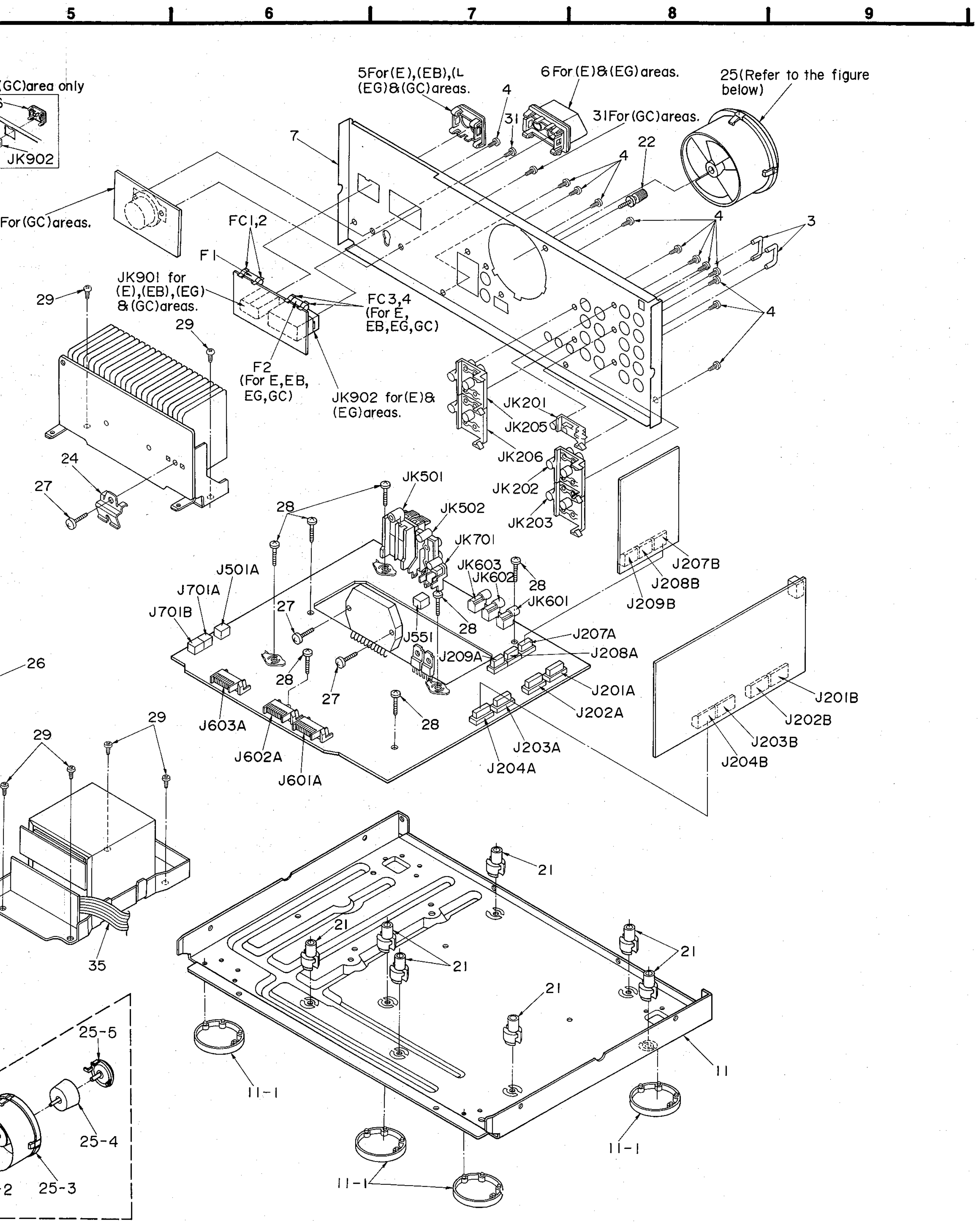
23
21
35
11
11-1
25-1
25-2
25-3
25-4
25-5

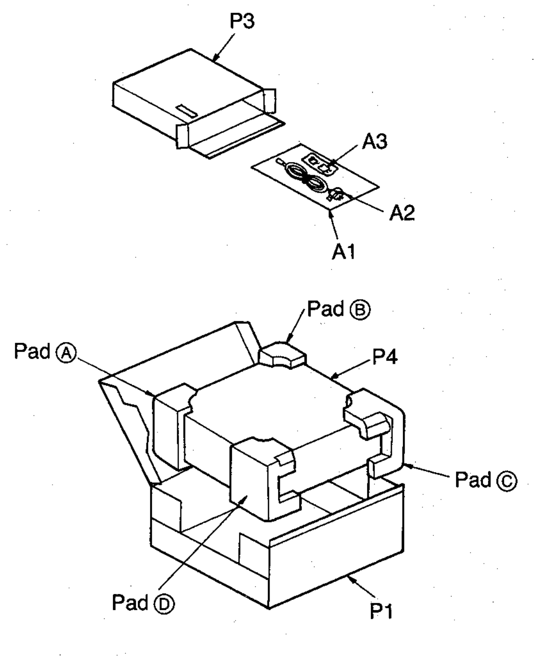
Ref. No.	Part N
1	RHD30007
2	RKM0024A-
3	SJP9205-2
4	XTBS3+8JF
5	SJS9231A
5	SJS9234A
6	SJS9333A
6	RJS1A4602
6	SJS9332A
6	SJS9233A
7	RGR0105G-
7	RGR0105F-
7	RGR0105G-
7	RGR0105H-
7	RGR0105J-
8	RGU0030
9	RGW0072
10	RGW0076-1
11	RFKJUX502
11-1	RKA0011-2
13	RGK0315A-
14	RGL0132-C
15	RGL0133-C
16	RGL0137-C
17	RGU0470B-
18	RGU0471-K
19	RGU0591A-
20	RFKGUX302
21	SHE187-2
22	SNE2123
23	SNE4021-1
24	SUS894-1
25	SYE1128-2
25-1	SHE232
25-2	SUS271
25-3	SHE233
25-4	MDN-4RB4M
25-5	SHE234
26	XTBS26+8J
27	XTB3+16JF
28	XTB3+20JF
29	XTB3+8JFZ
30	XTWS3+8T
31	XYN2+C6FZ
33	RMN0102
34	RWJ180513
35	RWJ180811


5
6
7
8
9
(GC)area only
JK902
For (GC) areas.
5For(E),(EB),(L
(EG)&(GC)areas.
6 For (E)&(EG) areas.
25(Refer to the figure below)
31For (GC) areas.
4
31
22
7
3
FC1,2
F1
JK901 for (E),(EB),(EG) & (GC) areas.
FC3,4 (For E, EB,EG,GC)
F2 (For E,EB, EG,GC)
JK902 for(E)& (EG)areas.
29
24
27
JK201
JK205
JK206
JK202
JK203
JK501
JK502
JK701
JK603
JK602
JK601
28
J501A
J701A
J701B
J551
J209A
J207A
J208A
J207B
J208B
J209B
J201A
J202A
J203A
J204A
J201B
J202B
J203B
J204B
J603A
J602A
J601A
26
35
21
11
11-1
25-5
25-4
25-3
2

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0024A-2K	CABINET	
3	SJP9205-2Y	SHORTING PIN	
4	XTBS3+8JFZ1	SCREW	
5	SJS9231A	AC INLET COVER	(E, EB, EG, GC)
5	SJS9234A	AC INLET COVER	(GN)
6	SJS9333A	AC OUTLET COVER	(E, EG)
6	RJS1A4602	AC OUTLET COVER	(GN)
6	SJS9332A	AC OUTLET COVER	(EB)
6	SJS9233A	AC OUTLET COVER	(GC)
7	RGR0105G-A1	REAR PANEL	(E)
7	RGR0105F-A1	REAR PANEL	(EB)
7	RGR0105G-B1	REAR PANEL	(EG)
7	RGR0105H-1	REAR PANEL	(GC)
7	RGR0105J-1	REAR PANEL	(GN)
8	RGU0030	BUTTON, POWER	
9	RGW0072	KNOB, TONE ETC.	
10	RGW0076-1	KNOB, MAIN VOL.	
11	RFKJUX502E-K	CHASSIS ASS'Y	
11-1	RKA0011-2	FOOT	
13	RGK0315A-K	ORNAMENT	
14	RGL0132-C	PANEL LIGHT	
15	RGL0133-C	PANEL LIGHT	
16	RGL0137-C	PANEL LIGHT	
17	RGU0470B-K	BUTTON, SELECT	
18	RGU0471-K1	BUTTON, VOL. PRESET	
19	RGU0591A-K	BUTTON, SUPER BASS	
20	RFKGUX302E	FRONT PANEL ASS'Y	
21	SHE187-2	HOLDER	
22	SNE2123	SCREW	
23	SNE4021-1	NUT	
24	SUS894-1	ANGLE	
25	SYE1128-2	FAN ASS'Y	
25-1	SHE232	FAN	
25-2	SUS271	SPRING	
25-3	SHE233	FAN CASE	
25-4	MDN-4RB4MRC	MOTOR	
25-5	SHE234	CAP	
26	XTBS26+8J	SCREW	
27	XTB3+16JFZ	SCREW	
28	XTB3+20JFZ	SCREW	
29	XTB3+8JFZ	SCREW	
30	XTWS3+8T	SCREW	
31	XYN2+C6FZ	SCREW	(GC)
33	RMN0102	FL HOLDER	
34	RWJ1805130KQ	FLAT CABLE	
35	RWJ1808110KQ	FLAT CABLE	

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIAL	
P1	RPG0839	CARTON BOX	
P2	RPN0412	PAD ASS'Y	
P3	SPSD152	ACCESSORY BOX	
P4	XZB60X65A01Z	PROTECTION COVER	
		ACCESSORIES	
A1	RQF1086	INSTRUCTION MANUAL ASS'Y	(E)
A1	RQF1087	INSTRUCTION MANUAL ASS'Y	(EB)
A1	RQF1088	INSTRUCTION MANUAL ASS'Y	(EG)
A1	RQF1089	INSTRUCTION MANUAL ASS'Y	(GC)
A1	RQF1090	INSTRUCTION MANUAL ASS'Y	(GN)
A1-1	RQA0013	WARRANTY CARD	(E, EB, EG)
A1-2	RQCB0169	CERVICENTER LIST	
A1-3	RFKSUX302E-K	INSTRUCTION MANUAL	(E)
A1-3	RQT0992-B	INSTRUCTION MANUAL	(EB, GN)
A1-3	RQT0993-D	INSTRUCTION MANUAL	(EG)
A1-3	RQT0990-G	INSTRUCTION MANUAL	(GC)
A1-4	SPB1061	POLYETHYLENE COVER	
A2 ⚠	SJA187	POWER CORD	(E, EG)
A2 ⚠	SJA188	POWER CORD	(EB)
A2 ⚠	SJA173	POWER CORD	(GN)
A2 ⚠	RJA0004	POWER CORD	(GC)
A3 ⚠	SJP9215	AC PLUG ADAPTOR	(GC)

■ PACKAGING


P3
A3
A2
A1
Pad Ⓑ
Pad Ⓐ
P4
Pad Ⓒ
Pad Ⓓ
P1

Pad Ⓐ Ⓑ Ⓒ Ⓓ Assembly: RPN0412

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